

# Memoranda



Kure Atoll  
Woodward

26 May 1968-



26 May 1968 1300-

BFA nestlings.

ST #1-2

787-89831

32

33

2-3

...34

~~egg 123~~

~~white ramp~~

~~under Tail~~

~~around face~~

~~at 113~~

3-40

4-5-60

5-6-7

New 767-51001

7-8

...35

8-9

N. ...02 36, 37, 39, 38



St 9-10  
..03, 40, 41

Sts 16-10  
..04

---

43, 42 - 05

2 adults at North Pt / Bank  
dove runway.

North Pt

..47, 45, 46, 44

48 49, 50, 51, 52, 53

55

Messner Tree  
56-57

at 19-58

59, 60, 61

North End of Runway

62, 64, 68

63, 65, 66, 67

eggs on  
to be missed.

---

...69

---

72, 74, 73, 75, 76, 77

78, 79

1 adult w/ Runway.



80, 82, 83 81

6

767-47404  
403

84

404

406  
407

409  
410

405

19, 28, 11  
12, 15, 24  
20, 14, 18, 21  
29, 23, 31

26 May 1968

Br. Noddy, N. Pt  
1955

BFA

767-48401, 05, 03, 04

06, 10, 12, 9, 11, 14, 16  
19, 20, 22, 21, 23  
18

~~18~~, 17, 15, 13, 8, 7

34, 47, 44, 45, 42, 39, 43  
36, 40, 41, 32, 38, 37  
35, 25, 33, 22, 26, 17, 13



48402

48424, 25, 28  
26, 27, 30, 36  
29, 33, 31, 37  
32

38, 37, 43, 45, 39

40, 42, 41, 44

New 06

46, 47

48, 04

53, 54, 52, 55, 51, 50

56

26 May 1968

NE Beach at  
2nd Messer.

A Frigate ?

737-37796

57, 58, 59, 60

63, 61, 62, 64, 66

500 - 89803

802

801

804, 811, 805, 812, 13  
15, 06, 7, 8, 9, 10



19, 18, 17

22, 21, 20, 23,

24, 26, 25

27, 28, 29, 30

End

27 May 1968

NAF-BFB

✓ #32 ♂ 737-45111 WN

3 weeks Photo 1

✓ #2 667-35065 WN

c. 2 months Ph 2

✓ #33 667-39204 WN

~~#33~~ c. 1½ month Ph 3

✓ # 47 737-98170 FWE

#6 ✓ 737-45116 ♀ WN

c. 2 months Ph 4

#5 ✓ 697-24513 Fw 2E

#3 ✓ 667-35055 FWN

2-3 weeks Ph 5

12 <sup>ph</sup> 3 apparently he gone

✓ # 48 667-39222 WE ♂

✓ #49 697-90196 MWE



19-22

20-

21

17 Rotten egg

#9 <sup>ca 1 month</sup> 697 24516 MWN PH 7

✓ #14 697 24501 MWN PH 8

ca 2 months

#13

MWN

PH 9 3-4 weeks

#27 697-24515 Fw 2E

#26 697 24523 MWN 2 months

• #50 737-98533 Fw E

✓ #29 697-70619 PH 11 1 mm

Prob-24 ? 2 mm Nod PH 12

SAFE

#34 ✓ 737-45132 F 2E

697-24511 M Nod

#35 ✓ 737 45134 MWN 2 mm

PH 13

#51 ✓ 737-45120<sup>M</sup> W N+E  
3-5 days

#52 ✓ 667-39202 MWN+E  
(34) 3-5 days

#36 ✓ 667-39211 Fw N  
2-3 weeks  
PH 14

#37 ✓ 737-45135<sup>M</sup> N 2 weeks

#38 ✓ N 2 mm + PH 15  
PH 15

#39 ✓ 737-45126 FN 2 mm

#53 ✓ E

#40 2E F

✓ #54 ✓ 70645 M+E

#41 ✓ 1 mm - 1 1/2 697 70619

PH 17



#142 737-45123M WN  
1 egg didn't hatch  $\leq 2m$   
ph19

#146 697-70948 F N  $1\frac{1}{2}m$   
ph19

#55 697-24529 Fw2E



#16 2E

27 May 1968

Brown Booby  
NAF

#7 697-706810 WE

#1 ✓ 737-454240 WN 2 whts  
PK 6

#8 697-70686 MW 2E

#9 767 45905 FW 2E

#10 737-92455 FW 2E

#2 same

#11 2E

#12 1E

#13 Nest c 10-14 dy No Pic

#3 same

#14 2E

#6 4522807 WN 1 month

#15 2E

#4 ♀ WE + N 1 month

697-70675

#5 same

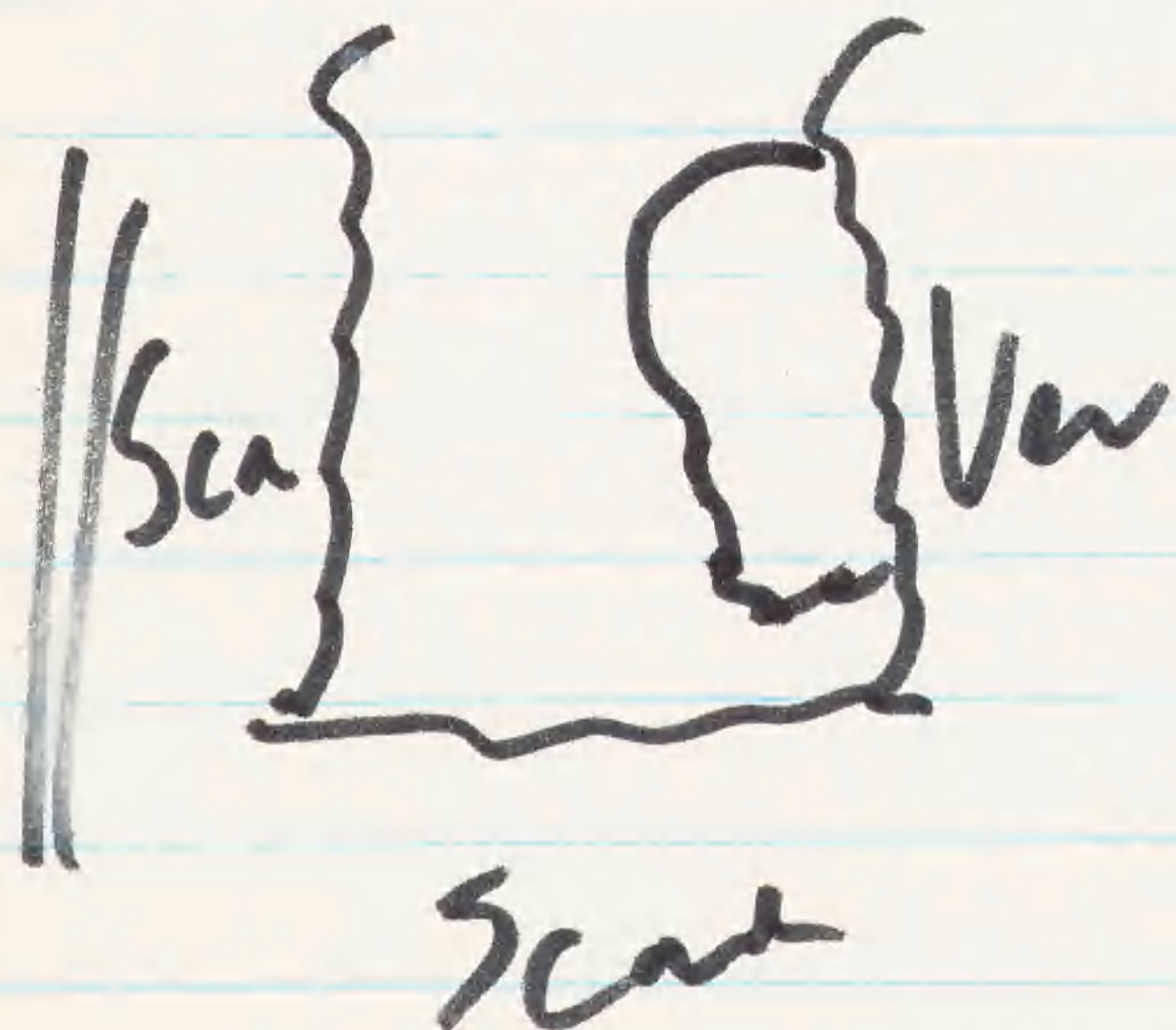


SAF

#17 767-50703 Fw2E

18 N 4-5 days + E

19 7374522 Fw2E



27 May 1968  
GBT

✓ 1-E

2-N 3-4 days

✓ 3E

4N 4.5 days

5N 4.5 days

✓ 6E

✓ 7E

8N 3-4 days

W

N 6 days

Back

water

2.3 days

rate

C-4

SAF

231

CR

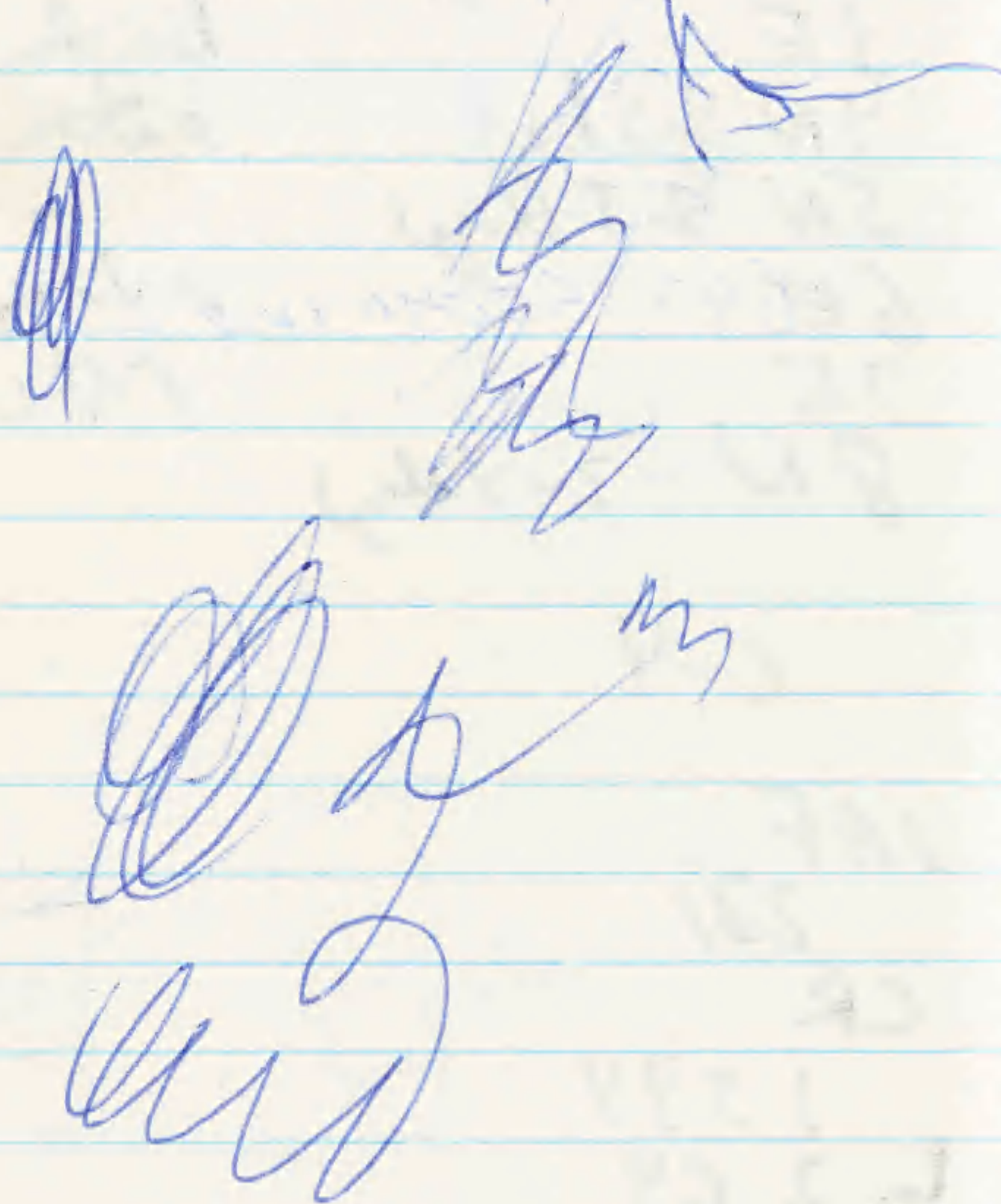
1594

loc 2 64

V 3 152



Wh on base of bill  
but not spleen



27 May 1968 Alba Census.

SW Beach 1 Banded Not caught  
BF-697-90006 <sup>1-63</sup> Ad <sup>nesting</sup> LWR + incidental ✓  
and on face ☐ wh

Wh ✓ 737-97465 Dark

Dark ✓ 737-97405 Dark

✓ 697-90040 Band LWR + w

LA

#(Unbanded) 1-2-1-1-1-1-1

737-93841 ✓

737-95995 ✓

737-95787 ✓

737-97789 ✓

737-98568 ✓



27 May 1968

Baltimore - LA  
Unbanded 5-1  
73796484

~~Santa Point~~ SW

~~BFA 697-90040 Surf~~  
~~little white bird song~~

SE Beach

Unbanded Ransom A/ba-III

737-95167

27 May 1968

NE 0

NP

BFA 737-97422 Dark

NW

LA 737-95603

737-95711

737-95735

Un-1

---

SA2 Brown Pet 1

LA Un-2-2-2-1  
737-45557

737-95552

Lab → Run

Un-III III

✓ 767-46669 3 91312

737-90512



27 May 1968

L → Run

697 90575

737-47378

✓ 737-14937

West of Runway

737-98261

Un-~~THH~~

737-95479

697-88996

737-95292

East of Runway

Un-1-2

737-95167

Runway Un-1-2-2 ✓

737-96299 737-15834

27 May 1968  
SAF

737-99056

✓ 697-81385

Un 2 -2-1-1-2-3-2-1

737-16909 •

737-99050

737-12728 •

737-95047

737-98577

737-95121+

737-96583+

737-95134+

737-95318+

NAF

Un-~~THH~~THH

767-45315 Left

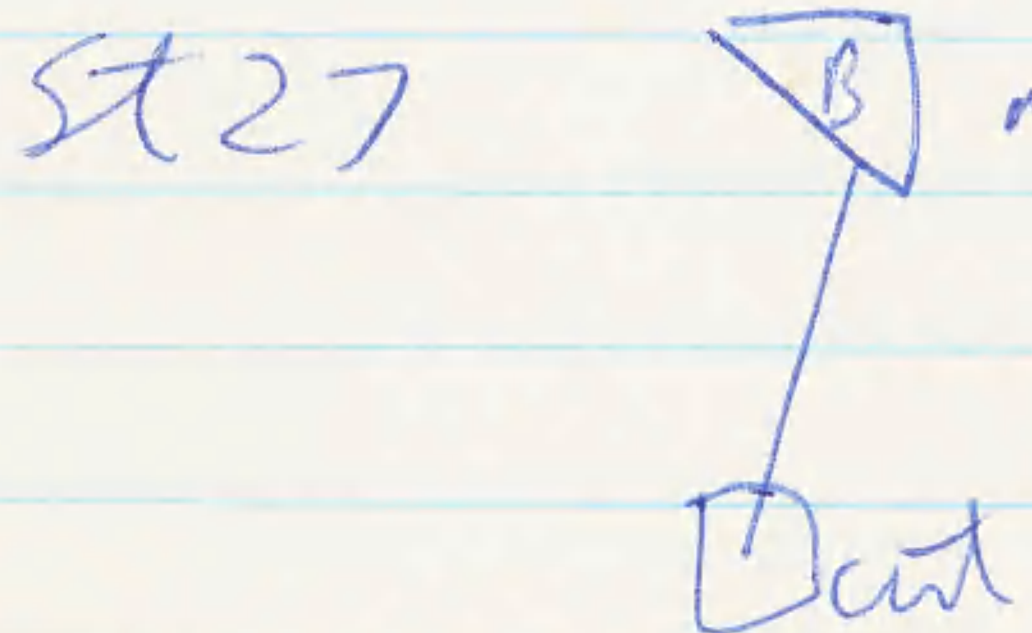
737-98598

737-95337



27 May 1968 Xmas Island  
— 514 76677 Bure  
near 3-Yalpa SE Beach

Unbanded near above



Unbanded near by NE Beach

Unbanded by Messer NE beach

Unbanded near NPT NE Beach  
East group of BF A  
West



28 May 1968

Ph 19 or 20 1. General Habitat

Shot of Gray back colony  
Taken from base of C-4  
Looking Towards Prunus

28 May 1968

Banding + Returns  
Gray-backed Tern

R 682-47246

R 642-00226

New - 682-47301



Nestling 9 Ph 20  
682-47002 3-4 days  
Cul 12.2 WT 25.3  
MT ~~24~~ 14.3  
Tar 24  
Wing 20

Des - Claw still on alula  
Gray and black  
little brown on nape  
ET

Nestlings #8 03 Ph 21  
Downy No ET Claw Present  
Cul - 14  
Tar 16 WT 30.6  
MT 25  
Wing 20

WT-3g

3 - Ph 22 Egg 100mm  
from Base  
760mm high

Ph 23 Egg 240 from base  
1120 mm high

10-12 Eggs  
6E  
7E

5N 04  
Cul 14  
MT 23.5  
1 18.4  
WT 31.5 ET  
Wing 20

---

2N ET 05  
C 14.5 WT 31.6  
MT ~~18~~ 23.8 W 20.5  
1 18.4



Frigate ♀ in RFB ad me

45-6ec

not joined for 5 sec  
by 2nd  
pig

BB

#

767-50701 07



29 May 1968

BB

6 ♀

7 ♀

8 ♀

9 ♂

10 ♂

20 ♀

+ 11-16 all 2

17 ♂

18 B 21

19 ♂

BFB

47 ♂

NAE

22 N

23 N ♂

~~24~~ ~~25~~ E

25 2E

26 N

28 E

29 N

213 N

214 N

219 E

120 E

224 N

226 N

227 2E

229 N

232 N ♀

233 N

247 E

35055 ♀?

(39216) ♀



29 May 1968

SAF

23 2E  
235 N  
236 N  
237 N  
238 ♀ N  
239 N  
240 ♂ 2E  
241 N  
242 ♀ N  
246 N  
248 ♀ N  
249 E+N  
250 BE  
251 ♀ E  
252 ♂ 2E

29 May 1968

NAF BFB

737-98586 ♂  
737-98171 ♂ > pr  
667-39207 ♀ > pr  
667-35070 ♂  
737-99592 ♂  
697-70657 ♂ > pr  
697-70634 ♀ > pr  
667-35059 ♂ pr  
737-45112 ♀  
697-70620 ♂  
667-35030 ♀  
697-70652 ♀  
667-39217 ♂ > pr  
737-98538 ♀ > pr  
737-98585 ♀  
737-98518 ♀  
737-98521 ♀  
737-98534 ♂  
667-35032 ♀



NT-3-4

BB

✓ 767-45801 ♂ ♀

✓ 737-96873 ♀

✓ 767-50730 ♀

✓ 737-95943 ♂

~~697-70688 ♀~~

~~697-70686 ♂~~

✓ 737-45232 ♂

~~NEW~~

737-95944 ♀

737-92975 ♀

767-50714 SA all Br

NEW

767-51101 All Br

737-45207 ♀

767-45908 ♀

697-70674 ♂

697-70925 ♂

Done

BB

NAF

2 2 IN

1 7 E

1 20 E

2 8 2 E

1 9 E

1 11 2 E

1 New-1 E

1 12 E

1 13 N

1 14 2 E

1 6 N

1 15 2 E

1 4 N

1 16 2 E

1 10 2 E

✓ 737-92437 ♀



NAT

737-95842 ♂  
697-24520 ♂  
737-98503 ♂  
667-35060 ♂ male 47  
667-35063 ♂  
697-24515 ♀  
697-24522 ♀ 7 yr  
697-70660 ♂ 7 yr  
697-70656 ♂  
737-98543 ♀  
737-92451 ♀  
737-45103 ♂  
667-35046 ♀  
697-70658  
737-98508 ♀  
737-45170 ♂ 7 yr  
667-35044 ♂ 7 yr  
737-45115 ♀  
697-70919 ♂ 7 yr  
667-30531 ♀ 7 yr

29 May 1968  
35

39

+33

72

SAF

29

737-99609 ♀?  
7 Br feathers on rump  
697-70621 ♂  
737-98578 ♂  
667-35062  
737-98582 ♀  
737-45125 ♂ 7 yr  
737-45127 ♀  
737-98576 ♀  
737-45105 ♀ 7 yr  
737-45133 ♂ 7 yr  
737-45129 ♂ 7 yr  
597-83265 ♀ 7 yr



1 18 N+E  
1 17 N+E  
1 19 2E  
1 21 E

Done

29 May 1968 BB SAF  
BB

737-92439 ♂

767-50704 SA

~~♂~~ ~~breas~~ Heavily mottled

737-98237 ♀

737-45201 ♀

737-95815 ♂

~~737-415233 ♀~~

737-98576 ♀

~~all pertinent~~

All pertinent data  
EXTRACTED

5-30-68

PNW



30 May 1968

BFB

2 N N

3 N

4 E

5 2E

6 N

8 2E

9 N

13 N

14 N

19 E

20 2E

24 N

26 N

27 2E

29 N

32 N

33 N

47 E

53 E

30 May 1968

SAE

34 2E

35 N

36 N

37 N

38 ♀ N

39 N

40 → 2E

41 N

42 ♀ N

737-96903 ♀

46 N

48 ♀ E+N

49 E+N

50 B E

51 ♀ E 737-45101 ♀

52 ♂

S



BB 30 May 1968  
NAF

1 N  
4 N+E  
6 ♀ N  
7 E  
8 c 2E  
9 ♂ E  
10 ♂ 2E  
11 B 2E 737-92977♀  
12 B 2E  
13 B N 767-45910♂  
14 B 2E  
15 B 2E  
16 B 2E 697-70671♀  
20 ♀ E  
22 B E 737-45232♂

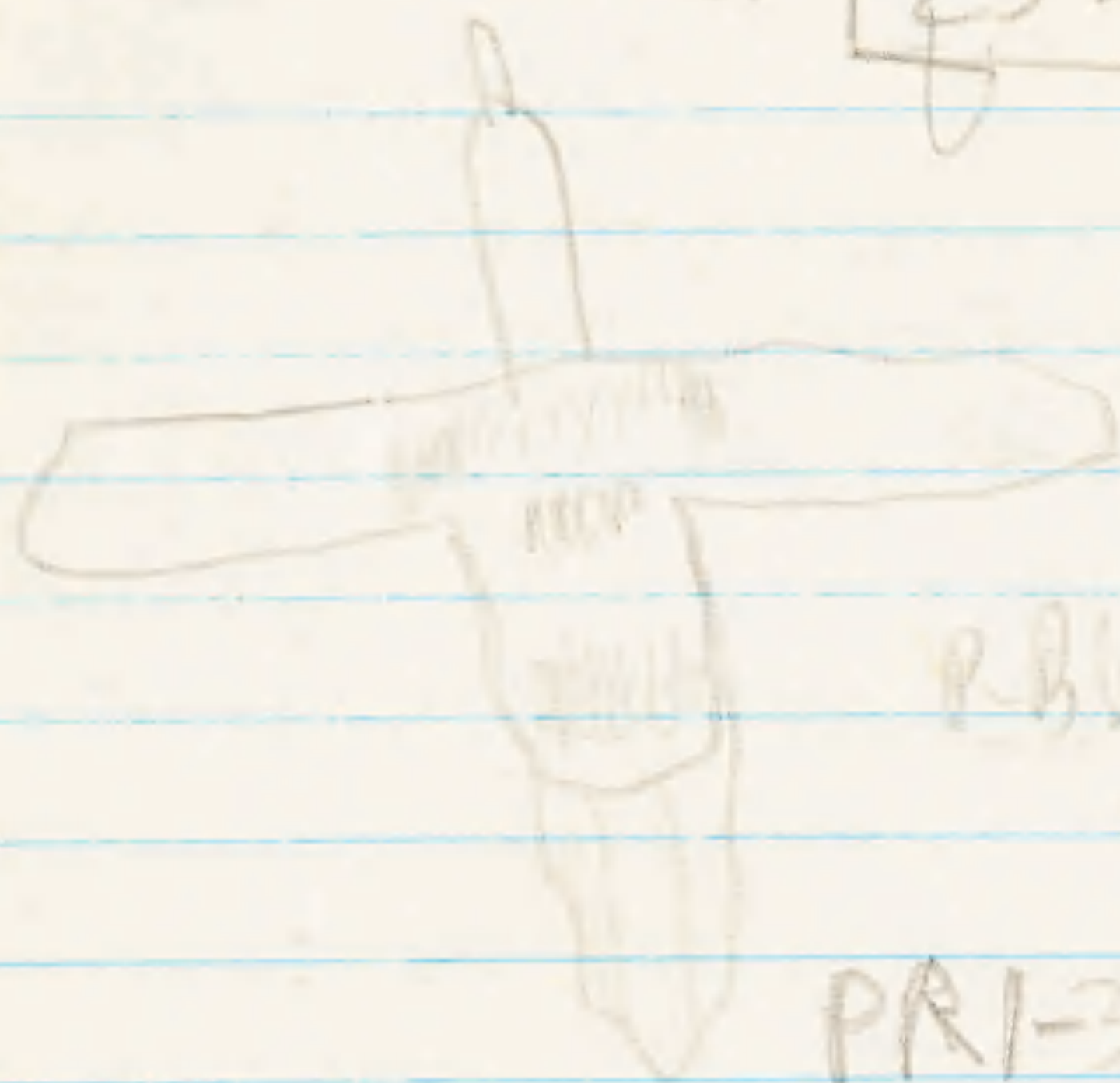
30 May 1968  
SAE

BB

17 ♂ N+E 737-92439♂  
18 B N+E 737-98237♀  
19 ♂ 2E  
21 B E 737-45201♂



PR 25-30



RB bill

PR 1-3 new

73299670 SAW-B

RAI 65%

5 3090 rest old

L all old

Blue bill  
Reddish feet and legs  
PR 1-2 sheath  
rest old



Back 76740311

PR 31-35

36 Japan



1 June 1968

1015-1240

SW Beach

Seals

♂	♀	Pup	SA ♂	♀
			1	

Un - 1-2-1

GP  
RT-1  
WT

Runway GP  
1 pup

No Seals checked  
for Tags 1-2-2

1 dead pup shales

5 BN West  
SP 1 BNNPT Sand A2  
3 RT 5  
SPT  
SA ♂ 1

SE -

Seal - 1-1  
RT - 1-1-2-1  
Sanderling + 1

NE

Seals  
SA ♂ 1 | 1 | SA-7  
1 | 111 | 1

NP

3-RT

1-Sand

A ♀ 1 WP 1  
3-1



BFB

38 ♀

40 ♂

48 ♀

50 B

5

BB

6 ♀

9 ♂

10 ♂

11 ♂

12 B

14 B

15 B

16 ♂

18 ♂

19 ♂

1 June 1968

NAF

32 N BFB

BR

2 N

1 N

3 N

7 E

33 N

20 E

92454 ♀

6 N

8-2 E

4 E

9-E

52 E

10-2 E

202 E

11-N+E

82 E

22 ♀ E 92438

9 N

13 N

19 E

122 E

53 E

6 N

13 N

142 E

14 N

152 E

24 N

4 E+N

29 N

16-2 E

272 E

271 E

26 N

47 E



1 June

SAT- BFB

34 2E

35 N

49 N

36 N

37 N

38 N

39 N

51 E

41 N

42 N

40 2E

46 N

52 2E

59 78 34 15 07

BB

17 E+N

18 N

19 2E

21 E

45 23 38

(42)

140

320

460 SAF



2 June 1968

BB

32 N

2 N

3 N

33 N

6 N

4 E

52 E

202 E

82 E

9 N

192 E

53 E

13 N

14 N

29 N

47 E

7 E

1 N

202 E

23 E

82 E

~~9 E~~

102 E

11 N+E

22 E

122 E

13 N

142 E

6 N

24 E

152 E ♀

4 N+E

162 E

36 N

37 N

49 N+E

35 N

38 N 66739210 ♀

342 E

48 N

39 N

502 E

402 E

51 E

41 N

42 N

46 N

92976

522 E

18 N

17 N+E

192 E

212 E



2-SP Runway  
4 RT

WT-1 near N.P.T.

Mixed with mup

Hydro office 1959  
DASH

all pert. data  
extracted up to  
thru pt. 6-2-68

PWW

2 June

WTS

SP2 - 70

SAF - 83

NAF - 231 + 11 = 246  
4

153

399



3 June 1968

SW Beach

2-3 Ray Un-1-1-1-2-2-1-1

767-46657

737-94395

BFA

737-98013 Dark

✓ 737-45721 White

737-92632 Dark

✓ 737-92601 White

Un - Dark

SE

RA - Un - 1-2-1-1

737-99098

BFA

697 22919 White

Rayson

CR-5 Un

Ben 737-97051

Builtmore FT-1 Row-6

697-87679 RA

737 97843 Un 12

9

East of Runway

LA 737-97918

Un-2-3-4-1

737 95185 737 95186

587-36674

737-96422

BFA - Un-1

LA 737-95394



NE  
Ex

RA th-4

NPJ

LA-1 um

NEW

LA 737-95602 737-91189

737-95715 737-95614

737-96687

um-1-1-2-1

BFA

um-1

737-45262 Daily  
Smooth

04 Bunde  
on NE beach by altar  
~~case~~ cone

SP2

um-24-1-1-6-3-3

✓ 737-97666

✓ 737-95537

✓ 737-95528

✓ 737-95628

767-45336

✓ 737-95699

757-73147

✓ 737-14379



West

Un-1-2-244-44-

✓ 730-95489

✓ 730-96156

✓ 667-39303

✓ 730-96383

✓ 730-95272

730-98559

✓ 730-95515

✓ 730-90653

BEA 597-84135 Dnd

Latter Runway

Un-2-1-1-2-4-23-1

✓ 730-47435

✓ 667-41563

✓ 730-96464

18

✓ 730-91083

✓ 730-72639

✓ 760-46669

✓ 730-11994

✓ 730-95685

85

✓ 730-95677

77

✓ 730-11038

✓ 730-95624

24

✓ 667-90497

✓ 730-95545

✓ 730-95642

42

✓ 730-95665

65

✓ 730-95638

38

✓ 730-95643

43

✓ 730-96707



3 final

SAF 16-3-4-3-4-1-2

Un-

737-99080

737-95373

✓ 737-95710

✓ 737-95321

✓ 737-95063

✓ 737-95351

✓ 737-92588

✓ 737-92592

✓ 737-94243

NAF

2- Un-1-4-2-3-2-6

4 ✓ 737-11150

3 ✓ 697-22694

✓ 737-92131

✓ 737-92533

767-45382

✓ 737-95036

Barracks

Un-1-3-1-1-1

737-95345

757-73272

737-12040

(4)(2)(2)(2)



7 June 1965

BfBooby 54 ~~6970919~~

33-N C-85.5 MLOY

2-N Tail-140 C=100

3-N C=91.5 M-LDY

5-2E

33-N C=95.8 LDY

6-N C=103 LDY

4-E

20-2E

8-2E

9-N

C=90

Wings

+ Tail

just starting to

show them

19-2E

11-E

13-N

C=92.3

LDY

Feathers just coming out of she.

31-E

14N-

C=106

Tail etc

well developed

29N-

86.5

MLOY

Wings + Tail just developing

24N

C=103.5

LDY

Scap etc well developed

47-N

27-2E

28-N as 24 C=105

+ tail sheaths just start

Wings, Tail, scap well dev.

+ Tail sheaths just start

Wings, scap just showing

showing the down

Tail, scap. well develop

just starting to



BB

7E

Done

1 N C = 79 mm Tail, scap & wing just starting to devl

20 2E

23 ♀ 98/68 E

8 2E

9 E

10 2E

11 N + E

22 2E

12 2E

13 N C = 61.5 S-MAY

14 2E

6 N C = 82.5 404

27 E

15 2E

25 E

♂ 767-45908

4 N 404 C = 91.8

16 E + N

Tail not yet started

Scap, wing, Tail just showing

Wings well devd.



7 June 8AF  
B-face Booby

52 E+N

34 2E

35 N  $c=104$

49 N  $c=34$  LNY Lower

36 N  $c=77$  MDY

37 N  $c=70.5$  MDY

48 N  $c=34$  as 49

38 N  $c=199$  tail etc

39 N  $c=111$  "

40 2E

40 2E

51 E

41 N  $c=96$  Say 3c  
show through

42 N  $c=100.5$  as 41

46 N as 41  $c=101.3$

52 E+N

BB

737-

18 07 45202  $c=40.5$

17-2N

$c=29$  LNY

19 2E 26E 21 2E

Well developed and etc  
part of body. downy

downy  
well dev.  
"

first starting to



7 June

12 E

92

3 E

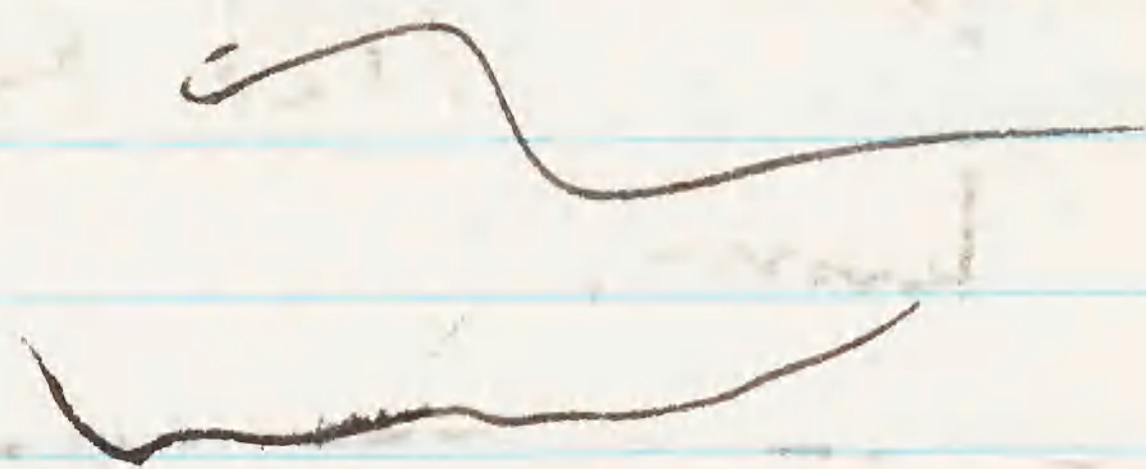
109 dead

1 dead

9 E

14 E

16 E



57  
47  
1  
399  
228  
2679

1/5 GBT em

6-7 FT chicks all B and

57 ft long x 47

3 1/2 high

4-Ad

BB NPT

1 Imm.

all down

Cul - 16.5

ET

Tar 12.0

MT 20.3

Claw 6.5

Wing - 22

Wgt - 43.4g



7 June 1968

NR

1950 6F 76

26 am

RFB

114+

16 am

Mon 3

Strong NE Wind  
Cloudy

All pert. data  
extracted 6-07-68

POW

10 June 1968

White Tern

NE Beach

Downy - 5 caps starting  
to develop in sheaths

Wght - 38g.

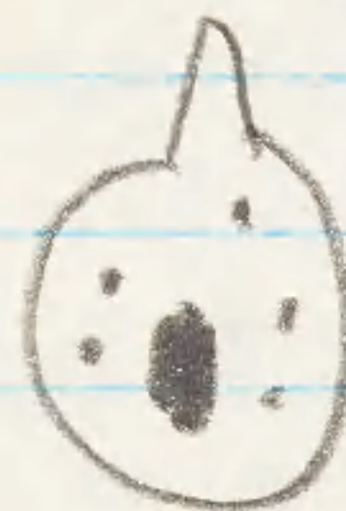
C 20.2 ET

T 13

MT 23.3 mm Claw 7 mm

Wing - 27

NE Beach Hatch 1-2 days  
Rusty



No markings side

C = 12.8 ET

T 12.3

MT 19 CL 7

Wing 17 mm

WT - 17g



10 June 1968

82

GBT

14E

7E

3E

16E

93  
154

71-22-

A-305-68

B-84

C-139

D-98+56

E-53

NAF

2N

3N

33N

6N

4E

52E

(35E

9N

14N

47N

24N

26N

BFB

202E

82E

192E

532E

13N

112E

312E

29N

271

18E

32N

BB 162N

1N 152E

202E 252E

232E

82E 4N

102E

11E

222E

122E

13N 5E

6N

142E

27E

SAF

BFB

96N

522N

342E

35N

36N

37N

54E

51E

39N

402E

502E

38N

48N

10 June 1968

BB

18N

17N

262E

192E

212E



10 June 1968 1950  
 RFB SABCE

A	40 - 3	75 - 9
B	15 - 0	6 - 2
C	23 - 1	30 - 5
D	4 - 0	0 0
E	10 - 0	16 - 3
F	11 - 1 SAW	0 0
G	18 - 0	3 0

1	0	0	24	6
2	1	1	22	3
3	0	0	12	0
4	0	0	0	0
5	1	0	5	2

Done 6-11 PMW  
 E 10-15 1115

Misty 70°F 10%

29NB 24N 11 June 47N  
 95842 BB 18E

310 →	1N	BB69
<del>310</del>	162N	
32 N	202E	1007
3 N	232E	1107
2 N	82E	
6N	102E	12 B
23 N	222E	14 B
4 E	11 -	
9N	13 N	1507
202E	12 2E	1607
82E	9298307	2307
192E	6 N	24B
21 E	142E	
0-5T	27E	257
5-2ER	152E	
53 2E	252E	27B
11 2E	700748	
13 N	4N	
14N	5E	



SAF

—

<sup>2</sup>  
158  
416  
28

4007

487

5007

BFB

1907

602

2607

BB

46N

262E

522N

17 N

342E

18 N

35N

212E

48N

19 2E

49N

36N

41N

37N

42N

38N

39N

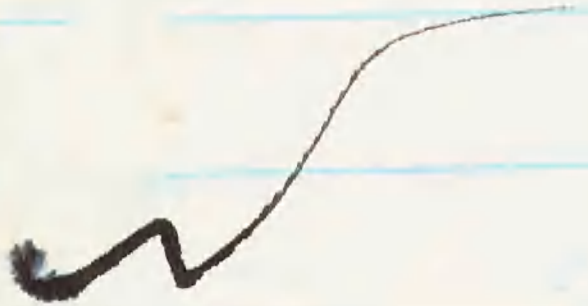
502E

402E

51E

54E

D 270  
E 86



11 June 1968

in

CR

Valley

158

DC-H

Recent 28

600

LA Area 16-77-106-111

101-5-

N-1-1-1-1-1-1-2

DC-1-1)

186

416

217

158

106

28

186

500

323

93

416

28

602

11

613



13 June 1968

CR

Red-footed  
Booby

- 1 3
- 2 E
- 3 —
- 4 ?
- 5 E
- 6 N 73.8 36.5 as 8
- 7 E
- 8 N C-77.5 T-37 <sup>pr-tail</sup> <sub>pr-sp</sub>
- 9 N-LNY same down 24+17.3
- 10 N SDY 63.5+35.8
- 11 N SDY 47.4+33.0
- 12 E
- 13 N LNY Same down 24+18
- 14 — LNY
- 15 N S.MDY Tail stat 59+30
- 16 N NY 1-2 dy 18.5+13
- 17 N Pr-wing Tail der 78+39
- 18 N 29+22 USH Part der
- 19 D 40+29 SDY

170/4330 ✓

21+22 KA RFB 787-99-761  
PR-4 new RL 1759  
feet - orange Bill - blue

- 20 N MDY <sup>der</sup> 78.8+34.5
- 21 —
- 22 N SDY 40.5+26.3
- 23 MDY Tail der 74+38.5
- 24 SDY 56+32.5
- 25 LNY 30.5 23 <sup>same</sup> down
- 26 <sup>pr</sup> LDY 73.5+35.0
- 27 NY 23.7+18
- 28 —
- 29 SDY 48.5+32
- 30 SDY 47.5+32
- 31 NY 25.5+18
- 32 E
- 33 LDY <sup>pr-tail</sup> <sub>pr-sp</sub> 78.5+38
- 34 LDY 76+35.4
- 35 SDY Tail der 64+34
- 36 —
- 37 LDY <sup>pr-tail</sup> <sub>pr-sp</sub> 71+33
- 38 LDY 73.5+36



39 - MDY Tail com 75+36  
 40 MDY 64.5+35  
 41 LDY death 79.5+37.5  
 42 ?  
 43 1045599 SDY 39+272  
 44 SDY 60+35  
 45 E  
 46 725229 ✓ NY 28+20.5  
 47 N SDY 48.4+31.3  
 48 E start  
 49 N dead MLDY 79+36.3  
 50 N LDY Pinder 78.5+35.5  
 51 E  
 52 N LDY Tail der 74.6+35  
 53 N LDY Tail + pinder 82.5+35  
 54 N NY 16.6+13  
 55 LDY + tail der 75+32.5  
 56 E  
 57 MDY 67.5+37.3

6F1.2 E-2

58 MDY - 65.5+390  
 59 —  
 60 LDY Tail de 80+37.8  
 61 LDY Tail de 75.5+37  
 62 N NY 20+14  
 63 E  
 64 SDY 50+36  
 65 E  
 66 SDY 49+33  
 67  
 68 E 79E 88<sup>9</sup> SDY  
 69 E 80E 32+225  
 70 E 81E 89E  
 71 E ~~82E~~ 90E  
 72 E 83E 91E  
 73 ? 84E 92E  
 74 E 85E 93E  
 75 E 86E  
 76 E 87E  
 77 E  
 78 ar20 79+35.5



23 Adult on nest

24 N#8

25 N#11

26 N#13

27 N#27

28 N#46

29 N#54

30 N#62

31 FT egg

8+22+6

3E

1/2E

13 June

NW Beach

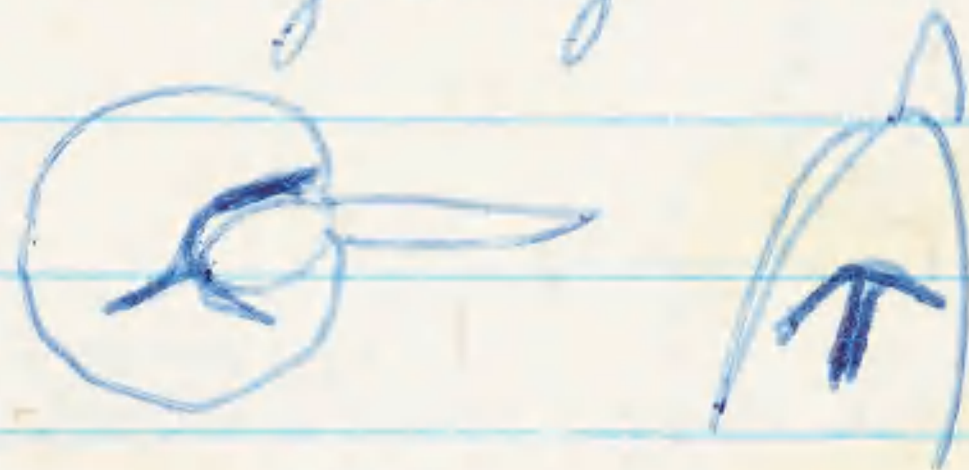
Wing 32. Wgt-46gms

Tar 15.5 mm.

MT 21.5 Claw 7.7

C ET 21.3

White gray



NE 682 ~~473~~ 47310 Awn

C=15.8 ET

T 13 mm C

MT 21 CL 7.5

Wing-22 C

Wgt-24.9 gms

all part. data  
extracted 6-13-68  
PWW.



19 June 1968

White Tern

NW Beach

C 24

T 15.5

MT 23.5 Claw 7.5

~~Ind~~

Wing 47 Feather 17

Wgt 72.3

NE reap shorter down

C-21

Tail 13

MT - 228 Claw - 7

Wing - 35

47.8 gms

done

GBT

3 -

1 E

14 pipe

3 E

16 E

2 ?

NAE down Biffy

C 16

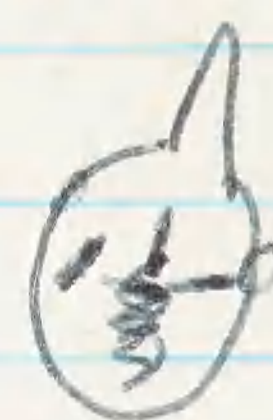
EI

T 12

MT 20 6.3

Wing - 23

Wgt - 34.7 gms



done all

6-20

part  
Plat



27 June 1968

Red-footed Booby  
Central Roost

W Tegg

1

2 E

3 —

4 —

5 E

6 LDY Scap etc well devel c-83.5 T —

7 E

8 LDY Tail Scap well devel c-80 T-37.5

9 ✓ SDY 45.3 T-30

10 LDY Scap etc devel c-70.5

11 MDY Tail devel 66.5

12 E

13 ✓ SDY 42.5 T-32

14 —

15 M-LDY Tail prim devel - 79

16 SDY 41 + 28.5

17 LDY Scap etc well devel - 85.5

18 ✓ SDY 51.8 + 35

Gr Frigate - 2  
Egg - 1

RFB CR

19 MDY Tail devel 60.8

20 LDY Tail devel w-d 83.9

21 —

22 MDY Tail devel c-61.4

23 LDY Scap w-d c-81.4

24 MDY Tail devel c-74.3

25 ✓ SDY 57 + 34.5

26 Scap etc w-d c-81.5

27 ✓ SDY 46 + 30.5

28 LDY Scap etc w-b 82.5

29 MDY Tail devel 70.5

30 MDY Tail devel 66

31 ✓ SDY c 46.2 T-31

32 E

33 LDY Scap etc w-d 80.3

34 ~~M-LDY Tail prim devel~~ LDY w-d 81.2

35 M-LDY T-Prim devel c-76.5

36 —

37 LDY Scap w-d 82.5



RFB CR

38 LDY Scapatch WD 83.4

39 LDY Scapatch WD 83.3

40 LDY Scap WD 80

41 LDY Scap WD 81

42 —

43 MDY 62

44 MDY Tail devl 75.5

45 E

46 ✓ SDY 49 + 31.5

47 MDY Tail devl 67.5

48 E

49 LDY Scapatch WD 82.5

50 LDY Scapatch WD 82

51 E

52 LDY Scap devl 82

53 LDY Scap WD 89

54 ✓ SDY 39.5 + 29

55 LDY Scap WD 80

56 E

57 MDY Tail in Devl 78.5

RFB CR

9-18-9

58 ~~LDY Scap devl~~

59

60 LDY Scapatch WD 83.5

61 LDY Scapatch WD 81.0

62 ✓ SDY 41.5 + 29

63 E

64 MDY Tail in devl 71.5

65

66 MDY Tail in 62.5

67 E

68 E

78 LDY Scapatch WD 86.5 SDY 49

69 E

79 E

89 E

70 —

80 E

90 E

71 E

81 —

91 E

72 E

82 E

92 E

73 LDY 85

83 E

93

74 E

84 E

101-E

75 E

85 E

99 E

76 E

86 E

77 E

87 E

E



Roll 3 Mod II

Pic 1 - Nestling #9

2	Nestling 6
3	Nestling 13
4	Nestling 16
5	18
6	27
7	25
8	31
9	46
10	54

done

27 June 1968

SAF

34 E

35 N

48 N

49 N

36 N

37 N

38 N

39 N

502 E

41 N

42 N

532 E

46 N

52 N

N-TH 2-3-4

262 E

18 N

17 N

192 E

29 E

212 E

done



27 June 1968 NAF

33N 24N  
32N 29N  
54E 47N  
26N  
2N 22E  
3N 18E  
6N  
4E  
202E  
82E  
21E  
9N  
192E  
102E  
112E  
13N  
14N  
312E

1N  
202E  
31E  
232E  
8E+N  
10N  
222E  
32E  
32E  
13N  
122E  
282E  
6N  
14  
30E  
272E

15N  
4N  
5943  
25-2E  
5E  
16N

*Jan*



27 June 1968

Noddy Br Noddy

1	N	20 E	39 E
2	E	21 E	40 E
3	E	22 E	41 E
4	E	23 E	42 E
5	E	24 E	43 E
6	E	25 E	44 E
7	E	26 E	45 E
8	E	27 E	46 E
9	E	28 E	47 E
10	E	29 E	48 E
11	E	30 E	49 E
12	E	31 E	50 E
13	E	32 E	51 E
14	E	33 E	52 E
15	E	34 E	53 E
16	E	35 E	54 E
17	E	36 E	55 E
18	E	37 E	56 E
19	E	38 E	57 E

done

27 June 1968

HNT - 1500

< 1950 unbanded

Xmas Ocean by  
SW Beach entrance

C.R. SE 10 KT 530%

RFB GF

A	5-6	72-13-3
B	16-0	72-0-0
C	27-3	0-0
D	4-0	0-0
E	18-1	2-0
F	16-0	0-0
G	31-1	0-0
1	1-0	22-7
2	14-0	2-0
3	17-0	3-0
4	17-0	0-0
5	9-0	9-0
6	3-0	0-0
7		



28 June 1968

SAF

34 E

17 N

35 N

18 N

36 N

262E

37 N

21 2E

38 N

29 E

39 N

192E

40 direct

41 N

42 N

46 N

48 N

49 N

done

50 → 45 189 → 2E

51 —

52 N

1 ALL PERT

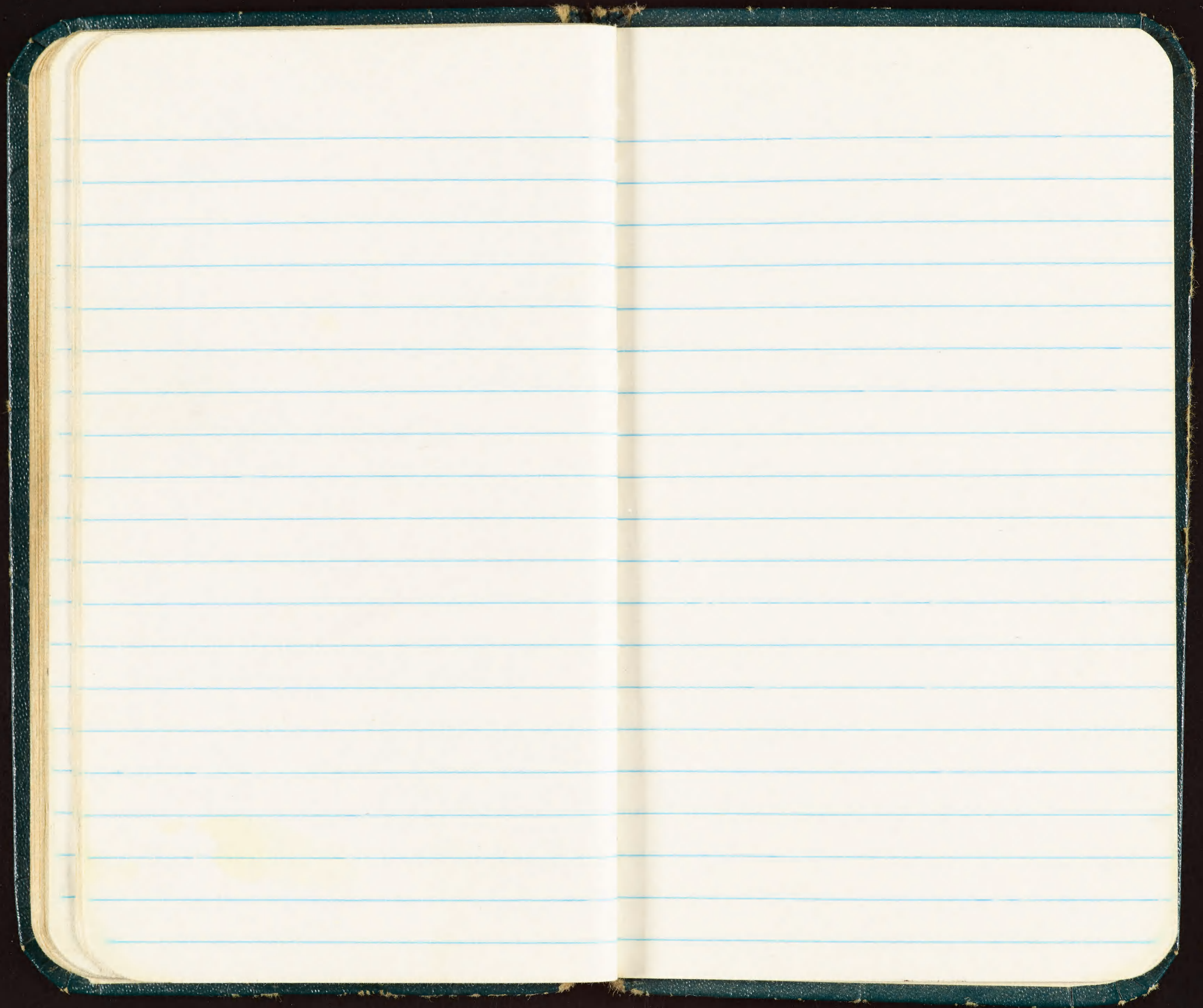
53 2E

DATA EXTRA

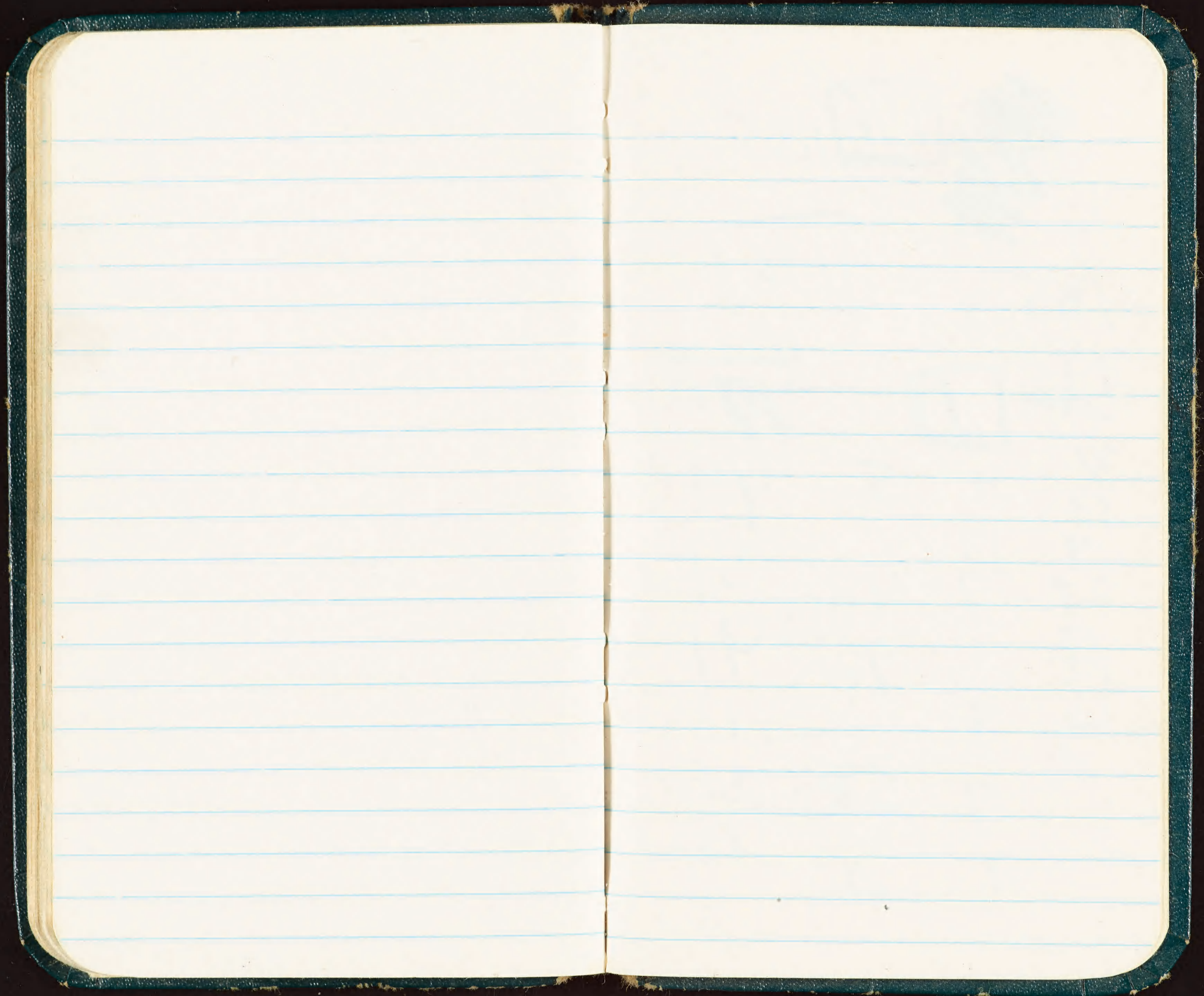
7-1-68

PWW











~~176~~ 185

176

185 8

195

1

18  
178

31	4	5	49
18			
4	18		31
27	7	49	
7	9	72	41
13			13
21	9		
4			
	7	38	25
			19
	1	26	7

121  
64  

---

185



3  
21

24

11

45

67

81

195

16

179

185

196

195

19.6

18

178

~~~~~



**7530-222-0078**  
**FEDERAL SUPPLY SERVICE**

GPO 643-16-78124-2



Memoranda



Woodward  
Kure

---

1968

[1968]



873 + 34.5

as8 -

767-51329 <sub>WN</sub>

C. 14.8

747-55095 <sub>WN</sub> —

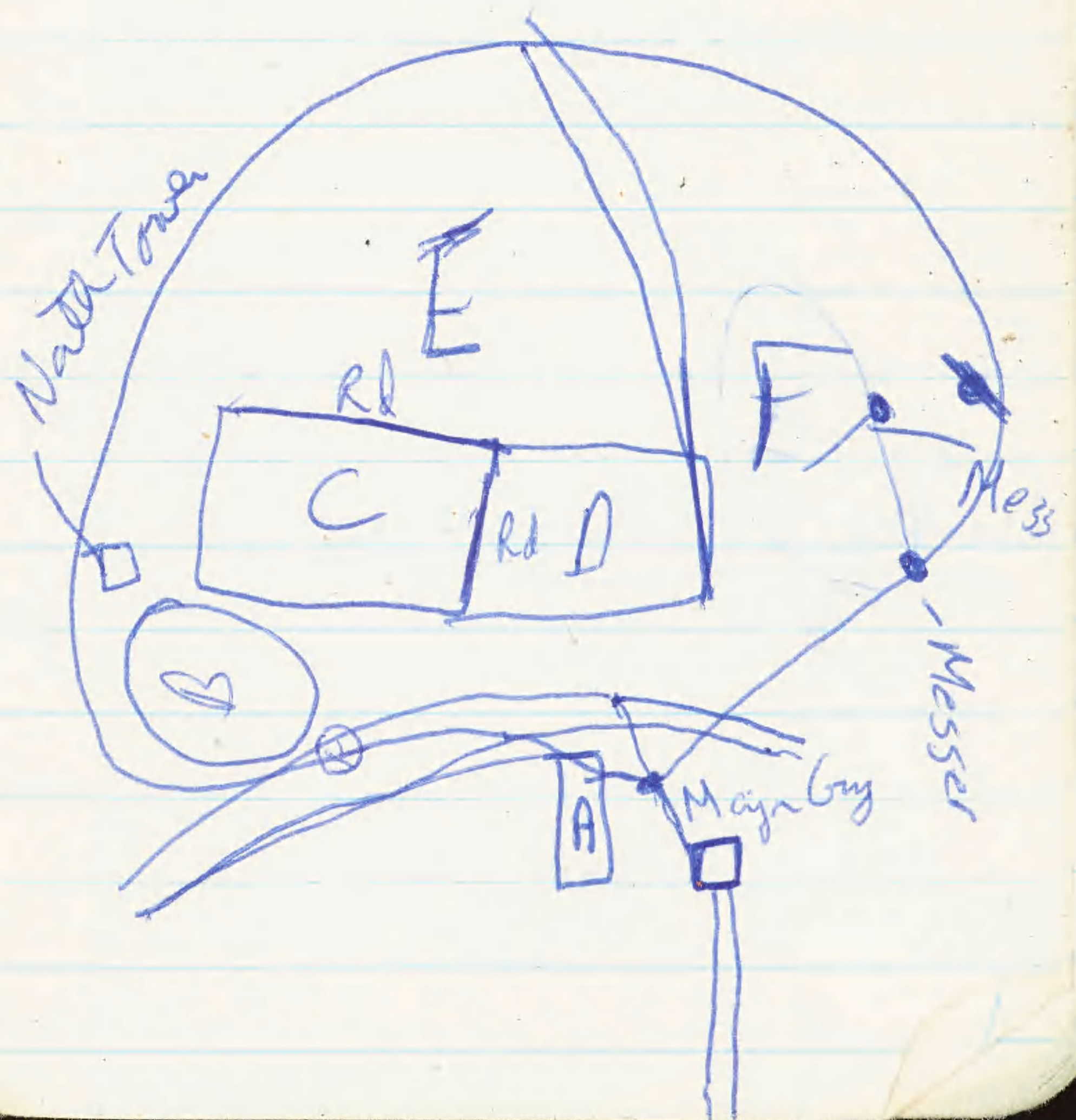
as8 —  
51380 —

111111

Woodward  
1968  
Kure Atoll

4







29 May 1968

Nests

11

Under Construction

3

Sample

R Naked young - some down ca 10 days

1

Egg - 1



29 May 1968

AREA A

4 nests 1E 1ENY  $\leq$  10 days  
3 under construction

AREA B

1

Under Construction ~~||||~~ ||||

1

C young - MDY - Tail feathers coming in.

AREA C

N = ~~||||~~ ~~||||~~ ||||

E - ||||

N = MDY Tail feather coming in 1 male

NY - 5 days ||||

SOY 3-4 weeks ||

Darkly Feathered  $\leq$  16 days ||

AREA D

A - ~~||||~~ ~~||||~~

Under - 2 - 1 - 1 - 2 - 1

E - ||||

N - 1 3-4 weeks SOY

1 2½-3 weeks SOY

1

30-42 days 1 male Tail

Coming MDY

5 days NY - ||



ARE A E

Nest ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ |

Under - ||||

E - ~~||||~~ |

Y-M-SDY c 1 month - ||

7-10 dy |

2 1/2 weds SDY - ||

LN 10-14 dy - 1 same down

Area F

N - ~~||||~~ ~~||||~~ ~~||||~~ || - 5-2-3-1-1-1-4

Under - ~~||||~~ || | 6-1-1-2-10-8  
3

E - ~~||||~~ ~~||||~~ |

N - 2-3W ~~||||~~ ||

6 wk 1

3-4 wk ~~||||~~

2 wk 1

SDY

tail canin

1 man |||

5-6 wk ~~||||~~ ||

29 May 1968

Xmas Shear along by wire  
Base Rd near



17  
77  
31  
65



On Frigate

~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~

SMAS

9 adult G-F lead Top of  
Anoll

AREA B

16 Nest S

3 E

NY 1

7 days 1

E-111

AREA C

||||

④

AREA D

|||

③

E-11

NY-1

Young c 7 days



GF

AREA E

~~TH~~ II

7

E-II

NY-I

area F

5-11-5-10-1-1-11-2-6-6

1-5-16-~~5~~-11-4-1

E-~~TH~~ II

NY-~~TH~~ II

10 dy ~~TH~~ II

504 2 wbs + 1

2-3 wbs II

3+1

Scay ~~Cr~~ in

10-14 dy-1

84

29 May 1968 Great Frigatebird  
Recovers

767-45746

50639

737-97560

767-54852

54851

54832

54841

43

41

84

30

114

16

14

30

84

114



CR 29 May 1968  
Under -1.2-1-2-4

N1 Egg ♀ unbanded  
2 Egg ♂ "  
3 Nestling 2-3 days ET 15.5  
little down MT 10.6  
♀ unbanded Tan 18mm

4 E

5 E

767-45995 ♂

6 N

767 45225 ♀

C  $\leq$  1 month SPY

Cul-5  $\frac{1}{4}$

~~Some~~ pin feather  
on tail showing

Tan 34

7 E

8 N  $\leq$  1 mm 61 Tan 30 98376(?)

9 E

10 N SPY  $\leq$  20 days  
C-48

737.92475 ♀

T-28.5

11 N

W 36

T 23.5 ET

14 days Dawn cover  
just coming in

12 E

13 E

14 E

15 N 5 means ♀ 9/968

Cul-37.5

Tan-25

16 E

17 N 64 1 mm M-SDY

40

Tail coming

18 E ♀ unbanded

19 N NV little down 5-7 days

ET C2H T21

20 N 62 33 3-4 <sup>Blind</sup> when



Frig-4-2

E-1

---

21 E

C 22 5dyt 21 Unbnd 9  
ET 14

23 SDY 7-7 whs 58

24 SDY 14-20dy 38  
22

25 E

26 MDY clm 60  
33

27-E

28-N 3-4 whs  
c 58 T 38.5

29-N 167 45 8219  
LNY same down ET

c 26

+ 18

30-N same as 29  
25+18 ET

31-E

32 E

33-N clm 64.5-41

34 N 3-4 whs SDY

35 N 2/3 whs SDY 63-34

58-31

---

36 N same as 35

44+22.5

37 N 3 whs

57-33



38N 2-3<sup>+</sup> whs SDY  
57-37.5

39N 2-3<sup>+</sup> ~~SP~~SDY  
52-31

40 2 whs SDY  
46-28

41 4<sup>+</sup>/m Tail coming in  
68-37.5

42E

43N NY 13-12

3-5 days

44N 10-2 whs

35 22.5

45E

46E

47N 5 days 20-14.5

48E

49N 3-4 whs 66.5  
34.5

50N same as 41  
61-35

51E

52N c/m ~~tail~~  
59-~~30~~ 34

53N Tail coming in  
69-~~30~~ 35.5

54E

55N 3 whs 51-~~25.5~~  
31.5

56E

57N 2-7 whs SDY 44-27.5

58N 2 wht 35.5 29

59N 2 wht 47-32

60N 1 m Tail 70.5-36

61N 1 m Tail 64.5 34.5

62E

63E

64N c 10 days 25.5 19

65E



66 N 10-14 days 32.5-23

67 E

9-13

29 May 1968

549 CRI 549  
2 57  
3 148

SAF-~~450~~

~~41~~ 422



30 May 1968

Gr. Frig AM 15 sec V2 St  
no lunch

1904 BFA feeding young  
White rump and  
undertail

BN No. At -1

30 May 1968

SS 741

458 SAF Sooty Tern

Roost Count

NR

1941 SS RFB 158

GF 151  
13

Overhead  
18

36



GBT ④

131

11E

10E

6 pipz

1E

7E

12E

14E

15E

16E

9N No egg Tooth  
Downy

15 mm - C

23.2 MT

18.5 Tan

23

42.4 WT

-2.2

40.2

10N / MT ET

MT 21.2

C

WT

13

3E

305

T 18.8

C 15.3

MT - 25.0

WT -

W - 23

46.3

ⓔ

12.5

21.5

2.2

19.3

304 lead



31 May 1968

BE B

32 N

27 2E

2 N

26 N

3 N

33 N

6 N

4 E

5 2E

9 N

20 2E

(8) 2E

19 E

53 E

13 N

14 N

24 N

29 N

47 E

NAE

7 E

BB

1 N

20 E

8 2E

9 E

10 2E

11 2E

22 E

12 2E

13 N

6 N

14 2E

15 2E

4 E + N

16 2E



31 May 1968 BFB

342E

35 N

36 N

49 E + W

37 N

38 N

48 N

39 N

50E

402E

51E

41 N

42 N

522E<sup>N</sup>

124-82

(needed)

SAF

BB

18 N

17 N + E

21E

192E

C.R.

1955- RFB -153 (85A)

EF 49

317

HNT C 750

81

398





2 June  
 514-26702 Ad F  
 on mound by Rd.

≤ AF on RTTB c 30  
 Picked up by  
 Tail No lunch

---

1- Egg Fresh  
 #3-1967

---

|             |           |
|-------------|-----------|
| 2- Egg      |           |
| 3 Egg       | 13 E 23 E |
| 4 E         | 14 E 24 E |
| 5 E         | 15 E 25 E |
| 6 E         | 16 E 26 E |
| 7 Freil Pig | 17 E 27 E |
| 8 Egg       | 18 E 28 E |
| 9 Egg       | 19 E 29 E |
| 10 Egg      | 20 E 30 E |
| 11 Egg      | 21 E 31 E |
| 12 E        | 22 E 32 N |

3-4ds



2FT

33 E

34 E

35 E

36 E

37 E

38 E

39 E

40 E

41 E

42 E

43 E

44 E

45 E

46 E

47 E

48 E

400

84

All port  
data -  
extract  
6-2-68  
PWW

ST 14







20-23 Open Sand  
24 Bare Sand next to Sea

BB-25

BF 54  
55

5 92 + 122

5 June 1968

SAF 48N

BFB 342E

46 N

52 E+N

~~26~~

41 N

42 N

51 E

40 2E

50 2E

39N

38N

37 N

36 N

49 E+N

35N

BB

21-2E

19-2E

18N

17N+E

26 E

597832443



NAF 5 June

FT-E

32 N 24 N

2 N 29 N

3 N 29 N

33 N 272E

6 N 26 N  
4 E

52E 47E  
202E

9 N 54  
8 2E

19 2E E

532E

14 N

13 N

56E 45112  
1

55E

70623142E

1 N

7 E

202E

23 E

92E

9 E

102E

11 E+N

222E

122E

13 N

6 N

142E

152E

25 E

4 N

162E

~~549~~ 550

200

750

1500 800  
500

54 E

35047

♀



26<sup>66</sup>

5 June Blue-face  
198 Booby

36<sub>4</sub>

NA

✓ 737-451159

2-32 ✓ 667-35044

2-2 ✓ 667-35063

2-3 ~~697-24515~~

2-33 ✓ 697-70660

2-6 ✓ 24522

2-4 Done

2-5 737-92967M?

2-20 ① 985089

2-8 ① 35047

2-9 532 35042

1-19 13.2 35046

2-27 4.2 70658

2-26 56-2" 98518

2-54 55-2" 98534

2-47 92451

2-29

R- 21? 35043

BB

N

2-1

2-7

13-1<sup>Imm</sup>-4-2

~~737-45229~~

~~737-95819~~

737-96873

~~697-70688~~ 8

~~697-70671-9~~ ①6

~~737-92975~~

767-50721

737-96907

~~737-45210~~

70656 98503

~~70656~~ 98543

98506 99592

~~70656~~ 45174

98529

70652

19



5 June 1968 S.A.F.

BFB

46 - 2 737-45129 G

52 - 1 597 83265 G

41 - 2 737-45133

42 - 2 737-45105

51 - 70621

40 - 2 98511 ♀

50 - 98508

39 - 2 767 50961 G

38 - 2 45125

37 - 2 \* 757-28804

36 - 2 SA

35 - 2 Hawk Mottled

49 - 2 Back max

48 - 2 Wings

34 - 2 2-2-2

BB

737-45209 ♀ ✓

737-9581507 ✓

737-45227 ♀ 19

767-50704 I ma

17-2

1

1

1

- 45127

45178

98585

35062



~~7 June 1968~~

~~Br Noddy~~

~~SW Beach 7-3~~

10 June 1968

SW Beach

Unbanded-1-1-1

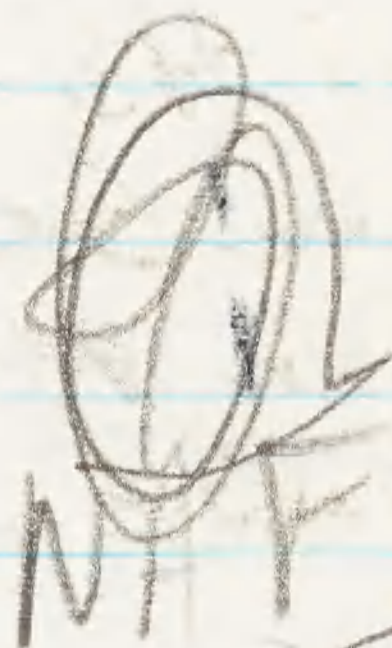
737-95784

CR

Unbanded-1

SE Beach

737-95438 ✓



NHF

Un-1-1

SA 2

Un-1-2

Red > Pink

Un-2-1-1-1

737 45905

10 June 1968

Sample

587-85801

802

2

95-7848

3

587-803 AM BB roosting  
on coral SE beach

✓ 506 Xmas Shear (un)  
feathered BP Range

737-45233 BB AF roosting

in Scaevola in front  
of Messer nest

767-50721 AM North  
Turn

East

767-46604 R + 587-66314

697-22503

SAF

Un-4-1 NACW 2

737-95374

767-46663

All part  
data ext  
at



12 June

1015 Adulthood  
Maver-  
X-ray

23 - Inter along Rd around  
bays Bare Sand Era - next  
to Scaevola

24 - same

25 - 45' from 24 same

26 - Bare Sand beach next to  
Scaevola

27 - Among Scaev - Bare Sand  
Some Boulder

28 - Beach next to Scaev

29 - 35 yds from Scaev  
on Beach

30 - Next to Scaev Beach

31 - Bare Sand among Scaev  
on Dune

32 - as 31 -

33 - as 31 15 yds from Eco

34 - Bare Sand next to Scaev

35 - In Met to Scaev Beach

37 as 36 10 yds from  
same

38 beach ~~next~~ next to Scaev

39 as 38

40-43 Beach edge

44-47 as above

48-50 as above

51-52 as above

53 Beach

54 B-Scaev etc

55 Beach

56 Eco

57 Eco

58 Eco

59 Eco

60 Eco

61 Among Scaev

62 Among Scaev

63 Bare Sand next to Scaev

64 Among beach at Beach edge



65 B-S ect

66 Eco

67 Eco

68 Beach

69 Eco

70 Int ed of Scaev Bor

71-72 In among Open  
Scaev 5' from each  
other Solan. Bor  
ground cover.

73 Open area In Bor  
3' from edge of Sa

74-76 Bare Sand In Ed of Sca

77-78 " "

261 D

108 E

78

2.2

56



12 June 1968

SAT

BB

BFB

2 502E

4518807

(451880)

2 52 N

2-46 N

2-41 N

2-42-N

2 40 2E

2-51 E

2-54 2E

(737-451290)

597-832659

2 34 2E

2-35 N

2-49 N

36 697-70641107

2 36 N

2 37 N

(75728804 SA)

(737 98578)

2 38 N

2 48 N

2 39 N

(737 985829)

(767 509019)

(98 58607)

17 N

18 N

19 2E

21 2E

26 2E 737-9244907

597-832449

45 203 9

767-507045A

45 202 07 18

9313307

452049

9823407

667-3506207

706210

4/4



12 June 1968 NAF

BFB

2-3 N

2-32 N

4-33 N 2-2 N

1-29 N

2-47 N

~~24-139~~

2-272 E

6W-2

1-26 N

2-18 E

4E-2

56E

~~6-7-7066007~~

1-26 N

2-24 N

2-31 E

2-14 N

2-11 E

2-13 N 20-2E

1-19 E

2-9 N

2-54 E

2-82 E

Non

~~350529~~

1-111-26

2-1-2

~~5-~~

23

2

BFB

4-13

Not-2-2-1  
8

1N

202E

767-459059

7379594307

232E

82E

102E 9244307

597-832210

222E

162N

5E

4N

152E

252E

27E

6N

142E

17N

122E

587-808579

737-9582507

587 527159

924340

677-7067707

44

88



13 June 1968  
NAF

(22)

|                    |         |
|--------------------|---------|
| 32 N 6N            | 1 N     |
| 2 N <del>12E</del> | 20 2E   |
| 3 N 272E           | 23 2E   |
| 33 N 26N           | 8 2E    |
| 6 N 47N            | 10 2E   |
| 4 E 22 E           | 22 2E   |
| 5 5 E 18 E         | 7 2 2 E |
| 9 N                | 13 N    |
| 20 2E              | 28 E    |
| 8 2E               | 6 N     |
| 19 2E              | 14 2E   |
| 14 W               | 27 2E   |
| 53 2E              | 15 2E   |
| 13 N               | 25 2E   |
| 4 2E               | 4 N     |
| 3 1 2E             | 5 E     |
| 24 N               | 16 2N   |
| 29 N               |         |

14 June

45234



13 June  
SAF

36 N  
37 N  
49 N  
35 N  
34 2E  
48 N  
38 N  
39 N

50 2E  
40 2E  
51 E  
54 2E  
41 N  
42 N  
46 N  
52 N

17 N  
18 N  
19 2E  
21 2E  
22  
26 2E

13 June

Wind E 10-15 kts  
30% cloud cover

A 40-50 SAW-BZ

B 16 1 SAW

C 24

D 11  
E 8

F 17 1 SAW-B

G 15 SAW-BZ

1  
2 C  
3 4  
4 0  
5 5  
6

done



13 June

A 9-6

B 4

C 1

D 0

E 0

F 0

G 2

1 23-4

2 10-2

3 0-0

4 0-0

5 0-0

14 June 1968

SW 6-5-6-11-3-11-8

25-2-13-5-3

27-2-1

Mound

11

South PT-28

End of Run-32

End of season 6

SE-2-4-4-3-8

N. PT 53

NE-6-7-5-2

CR-12-2-2-7-2

② Bnet-16

BFA SWB 03



NW - 1-2-2-1-2  
 6-3-1-4-1-1-2  
 2-2-12-2-2-6  
 15-4-3-1-2-5-2-2  
 16-5-3-1-11-13-2

East      52 25 52  
              34 26 51 103  
                              34

3-1-2-1-2-2

West  
 1-1-3-2-7-17-5  
 1-2-1-3-1-1-1-2-3

West Inter - 2-1-3  
 2-1-1-1-2

2-101+107-86  
 146

14 June 1968  
NAF

|      |      |      |
|------|------|------|
| 32N  | 312E | 1W   |
| 2N   | 532E | 162N |
| 3N   | 13N  | 5E   |
| 33N  | 112E | 4N   |
| 6N   |      | 252E |
| 4E   |      | 152E |
| 20E  |      | 272E |
| 82E  |      | 6N   |
| 9N   |      | 142E |
| 3E   |      | 28E  |
| 192E |      | 13N  |
| 24N  |      | 122E |
| 21E  |      | 222E |
| 18E  |      | 10E  |
| 26N  |      | 82E  |
| 29N  |      | 202E |
| 270E |      |      |
| 14N  |      |      |



14 June 1968 N.R.  
RFB

AREA

(A)

Nests 6

Sample

E-1-1

NY

SDY 2

MDY

LDY

---

(B)

Nests 7-3-3-1-2

E ~~THH~~ 1

NY

SDY

MDY

LDY per Trail 2

(C) Nests 3-2-3-2-2

E

ENY 1-2-1

SDY 11

MDY 111

LDY

(D) Nests 1-1-3-5-1-3

E 1-1-1-1-1

NY

SDY 8

MDY 1

LDY 1-1



(E)

Nests 2-1-1-1-3-1-1-1

E

Egg 1-1-1-1

SDY 1-1

MDY 1

LDY 1-1

(F)

Nests 1-2-1-1-6+6

E - 2-2-1-1-2-2-7-1-7-8-1

SDY 1-1

MDY 1-1-1-2-1 2

LDY III-1

NY-1

LDY 1-1-1

Great Frigate

(B)

Nests 10-1

E

SDY IIII

MDY scap dev II

NY

LDY

(C)

Nests 2

E

SDY 1

MDY

LDY

D

Nest 1-1

NY-1



E

N45-2-2  
NY-A

(F)-4-1-3-1-1-2-2-1

E 1-1-1-1-1

NY 1-1-1

2-5042-1-1-1-1-1

3-MAY-2-1

LDY

1-4-5-2

6-1-3

4-12

10

22

11

14

22

69

14 June 1968

342E

41 N

42 N

35 N

48 N

49 N

36 N

37 N

38 N

39 N

502E

462E

542E

46 N

52 N

17 N

18 N

19 2E

21 2E

26 2E

29E

737-45 209/2



15 June 1968

SW  
Sea 5A.07 1  
♀ 1

SP

RT-1

SE

♂ - TL  
♀ - 1

Runway

RT-1

NE

Seal - 1 - 1 - 2

WT-1

SPT

Seal-2  
NW

Seal-2

Seal 4

chick  
Seal 4

4 GP 1 Breeding

WT-1  
RT-2-2

done

(56)

15 June 1968

NAF

2 N

3 N

4 E

6 N

8 2E

9 N

11 2E

13 N

14 N

18 E

19 2E

20 2E

21 E

22 E

24 N

26 N

29 N

31 2E

32 N

33 N

47 N

53 (B) ♀ 706342E

BB

1 N 27B 2E

4 N 28E

5 E

6 ♀ N

8 2E

10 E

12 ♀ 2E

13 ♀ N

14 B 2E 969070

15 ♂ 2E

16 ♂ 2N

20 2E

22 2E

23 ♂ 2E

25 2E



15 June 1968

SAF

34 2E

35 N

36 N

37 N

38 N

39 N

40 ♂ 2E

41 N

42 N

46 N

48 ♀ N

49 N

50 ♂ 2E

51 E

52 N

(54) = 53 2E

BB

17 N

18 N

19 ♂ 2E

21 2E

26 2E

29 ♂

A -500

B ~~490~~ 194

C 190

D 199 + 90 =

E ~~110~~ 152

15 June

almost around

22 N LR 74° 108°

NR GF 91-6

RFB 150-15

~~7600~~  
2600

31  
500

194

190

289

152

1325

all part.  
data extracted  
6-17-68  
Pwll



17 June 1968

NAF  
54E 392078

32N

47N

1N

202E

2N

26N

232E

3N

18E

82E

6N

22E

10N

33N

222E

4E

13N

2022E

122E

82E

28E

9N

6N

192E

142E

21E

272E

53? 2E

15N+E

13N

252E

11 2E

4N

14N

5E

312E

16N

24N

29N

17 June 1968

SAF

46N

42N

17N

52N

542E

18N

42N

262E

342E

192E

35N

212E

48N

49N

36N

37N

39N

38N

502E

402E

51E

A 505

B 163

C 140

D 18-292

E 161

CR52N

668

1261

432

1156

1



18 June 1968  
NAF

|         |              |
|---------|--------------|
| 32N 29N | 67           |
| 54E 47N | 127 2E       |
| 2N 24N  | 132 N        |
| 3N 26N  | 144 2E       |
| 33N 22E | 1507 N       |
| 6N 18E  | 1607         |
| 9N      | 6N           |
| 4E      | 27B 2E       |
| 202E    | 280 67-70677 |
| 82E     | 1N           |
| 21E     | 20 2E        |
| 192E    | 23 2E        |
| 10 2E   | 82E          |
| 13N     | 10 N         |
| 11 2E   | 22 2E        |
| 31 2E   | 25 2E        |
| 14N     | 4N           |
|         | 5E           |
|         | 16 N         |

SAF

18 June 1968

|         |        |
|---------|--------|
| 487 N   | 985827 |
| 5007 2E |        |
| 35N 52N | 262E   |
| 36 N    | 17 N   |
| 37N     | 18 N   |
| 38N     | 192E   |
| 39N     | 212E   |
| 49N     |        |
| 342E    |        |
| 402E    |        |
| 51E     |        |
| 41 N    |        |
| 42N     |        |
| 46N     |        |
| 1       |        |



18 June 1968

L Allen

SW Beach

737 92383 #1

B 587-85808 #2

West Runway

737 47493 #3

809 #4

Un-1

East

Un-1 #5 dead

SAF  
69722 605 #6

810 #7

W1 NAF 92702 #8

587 27002 #11 90322 #9

22458 #10

2

WTS SAF-14 SAZ

NAF-9814

587-85807

Blue-faced Booby

SA Medium <sup>✓</sup>molting

brown lower back

and prox wings

Roosting on SW Beach

± 30 yds of <sup>✓</sup>is  
isolated clump of

Scaevola

514-76707 Bird

out rail inland  
from Messerschmidia

5 Bp coral SE beach



NA 64

667-35093 ✓  
96686 #12

91849 ✓

92128


90370 ✓

90586 ✓

98598

Wm-2

697-90274 ✓

SAZ 

697-90533

697-90540

697 90548

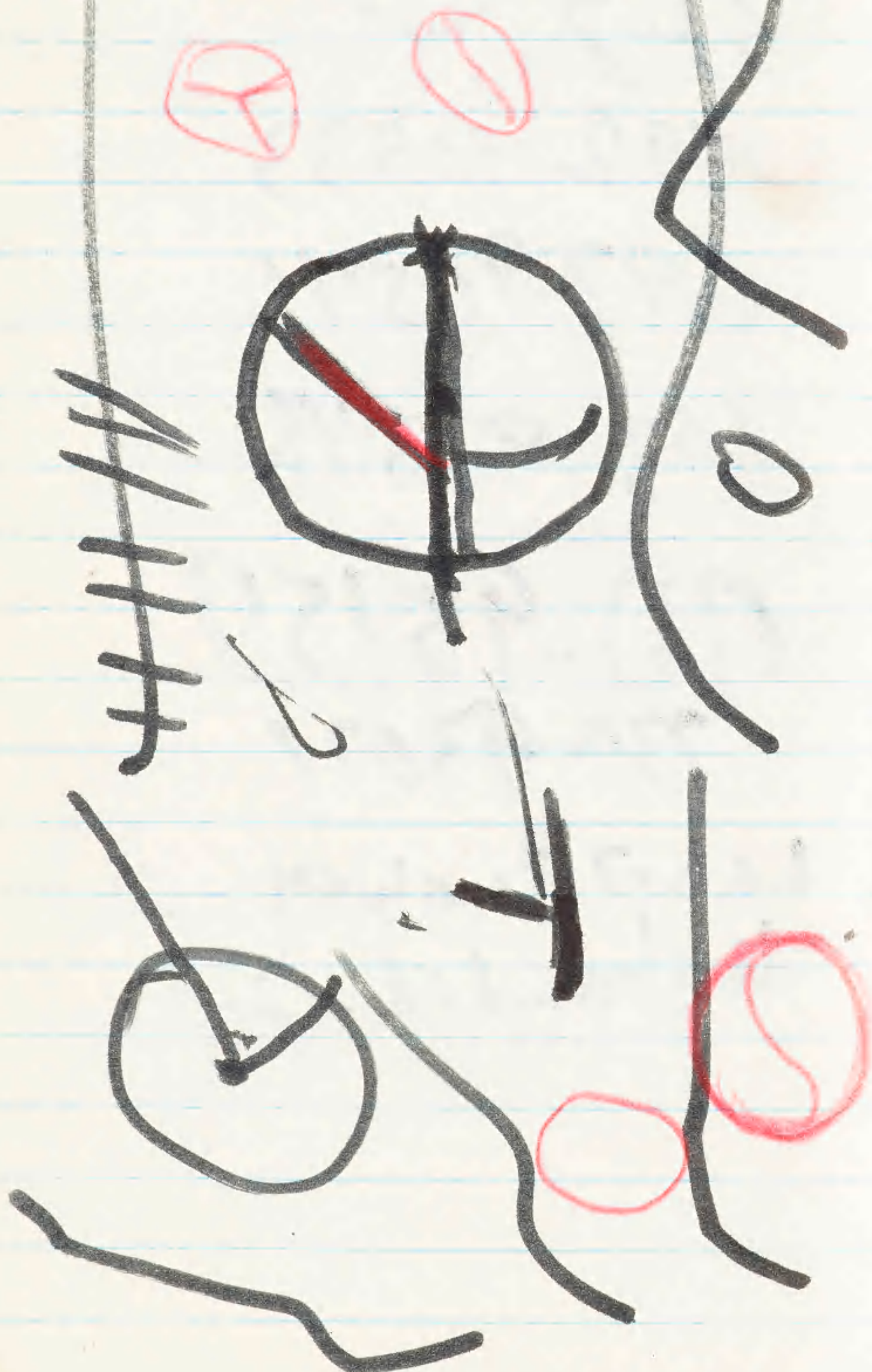
731-95157

737-93071

Lab → Runway

Untanded - 2





$$\frac{R+x}{x+y} = \frac{R}{x}$$



20 June 1968

NAF

|      |      |                    |
|------|------|--------------------|
| 32N  |      | 69 15NHE           |
| 54 E | 102E | 120 252E           |
| 2N   | 312E | 139 4N             |
| 3N   | 29N  | 1507 5E            |
| 6N   | 26N  | 160 16N            |
| 33N  | 47N  | 2 <del>3</del> 587 |
| 4E   | 22E  | 272 527            |
| 202E |      | 6N                 |
| 82E  | 18E  | IN                 |
| 9N   |      | 202E               |
| 21E  |      | 232E               |
| 24N  |      | 82E                |
| 192E |      | 10N                |
| 14N  |      | 222E               |
| 13N  |      | 122E               |
| 112E |      | 13N                |
|      |      | 282E               |
|      |      | 212E               |
|      |      | 142E               |

SAF

M TWT  
17 18 19 20

24

5007 2E 73745189

342E

35N

36N

37N

48N

49N

38N

39N

402E

51E

532E

41N

42N

46N

52N

262E

18N

17N

192E

212E

A - 474

B - 159

C - 172

D - 194+73

E - 170



20 June 1968 ~~20 June 1968~~  
CR ~~0768~~

N-31-1

E 53-~~6~~-12

N-1

Rec E-2

lane

Valley 43E  
12N

20 June 1968

B & Noddy

No Pt

1 E

7 E

14E

2 E

8 E

15E

3 E

9 E

16E

4 E

10 E

4a E

11 E

5 E

12 E

6 E

13 E

3 WT No Pt

1 RT No Pt



21 June 1968

707 Rd.

Laysan Alber 708 Path

1 697 - 24551

NAF

2 587 - 85811

3 812

4 737 - 90446

~~5 777 - 94405~~

5 813

6 814

North of Trans Base

BFB

BB

2 N 21E

1 N

6 N 3 N

20 2E

33 N 18E

23 2E

4 E 32 N

8 2E

20 2E 54E

10 N

8 2E

22 2E

9 N

12 2E 929752

19 2E

13 N 959442

10 2E

28 2E

11 2E

13 N

31 2E

14 N

24 N

29 N

47 N

26 N

22 E

6 N

14 E

27 2E ~~45 2E 7807~~

4 N

15 E + N

25 2E

5 E

16 N



22 June 1968

Back range  
BFA feeding young NW  
Beach

W -2 -14-4-2-8  
✓ 6-4-17-1-8-2  
3-5-4-8-2-7  
6-1-5-8-2-1  
2-1-13-3

181  
40  
19  
140

681719  
9323

✓ No. PT-69 ✓ ~~21~~ done

NE-2-2-4-2-2-2  
4-2-3-8-2-2

✓ SE-1-1-1-1-1-2-1-1

End of ~~Rear~~ Scar ~~270~~

SE of ~~Point~~ -15

Mouth -13

So PT. 25

4BTC SEB 620 Maddy 1350  
NW 1353  
943-94501 N 46P  
3RT Nkm

Top light belly  
deep gray Pic#  
3-4 days

Nest Vegetation on ground  
Pic 94502 N 1-2 days

✓ deep gray light  
fine Bare Sand Seta  
Pic 94503 White Veg gr-  
edge of Scaevola with gray  
3 days

94504 White with  
gray bare gr sand  
ecotone.

done  
2 pict 94505 Black fore  
light

Bare Sand on Scaevola

94506 Wh w 34 d

Veg on gr next to Scar



22 June 1968

Br. Noddy

|          |        |    |   |      |
|----------|--------|----|---|------|
| 1        | N      | 20 | E | 6-21 |
| 2        | E      | 21 | E |      |
| 3        | E      | 22 | E |      |
| 4        | E      | 23 | E |      |
| 5        | E 6-18 | 24 | E |      |
| 6        | E      | 25 | E |      |
| 7        | E      | 26 | E |      |
| 8        | E      | 27 | E |      |
| 9        | E      | 28 | E |      |
| 10       |        | 29 | E |      |
| 11       | E 6-19 | 30 | E |      |
| 12       | E      | 31 | E |      |
| 13       | E 6-19 | 32 | E |      |
| 14       | E 6-20 | 33 | E |      |
| 15       | E      | 34 | E |      |
| 16       | E      | 35 | E |      |
| 17 = 16  | E      | 36 | E | 6-21 |
| 18 = 16a | E      | 37 | E | 6-22 |
| 19 = 16b | E 6-20 |    |   |      |

3 pic Nalmy Lagoon  
Road

SW

5-3-2-2-3-2-2  
28-19-2-12-10-2-4-6  
2-3-9-3

52  
22  
18  
12

4a becomes 5

10 becomes 11

13 becomes 14

Bullroar - 9

Central Root

11-2-4-7

~~11-11-11-11~~

EAST-3-1-1-1-2-2

West-1-2-2-2-4-4

11-3-13-3-3-4

2-3-1-1

32  
27



22 June 1968

CR

E 29 | 3 | 24  
N 24 | 2 | 17

Intuition - 3-4

2-2-1-1-1-1

3-2-3-1

22 June 1968  
SAF

502E

402E

38N

34N

49N

48N

35N

36N

37N

51E

54E

41N

342E

42N

46N

52N

262E

18N

17N

192E

212E

30E

100



22 June 1968 NAF

|       |      |        |     |
|-------|------|--------|-----|
| 2 N   | 47 N | 1 N    | 5E  |
| 3 N   | 18   | 20 2E  | 16N |
| 4 E   |      | 23 2E  |     |
| 6 N   |      | 8 2E   |     |
| 8 2E  |      | 10 N   |     |
| 10 2E |      | 22 2E  |     |
| 11 2E |      | 12 2E  |     |
| 13 N  |      | 13 N   |     |
| 14 N  |      | 28 2E  |     |
| 19 2E |      | 6 N    |     |
| 20 2E |      | 14 E   |     |
| 21 E  |      | 27 2E  |     |
| 22 E  |      | 4 N    |     |
| 24 N  |      | 15 N+E |     |
| 26 N  |      | 25 2E  |     |
| 23 N  |      |        |     |
| 29 N  |      |        |     |
| 31 2E |      |        |     |
| 29 N  |      |        |     |

~~done~~

23 June 1968 White Tern

NAF downy chick

C-17.5 mm ET

T-15.1 mm

MT 21 mm Claw 7 mm

Wing 27 mm

Wgt 34 gms

CR egg done

NE ~~bow~~ couldn't find chick or any remains. However adult with fish in bill flew over.

NW Scap well develop

Remix ~~egg~~ emerging

C-24.5

T-13

MT 21.2 Claw 7.5

Wing 57 + 30

Wgt 71.8 gm



22 June 1968

Br Noddy North

|      |      |      |
|------|------|------|
| 1 N  | 20 E | 38 E |
| 2 E  | 21 E | 39 E |
| 3 E  | 22 E | 40 E |
| 4 E  | 23 E | 41 E |
| 5 E  | 24 E | 42 E |
| 6 E  | 25 E | 43 E |
| 7 E  | 26 E | 44 E |
| 8 E  | 27 E | 45 E |
| 9 E  | 28 E |      |
| 10 - | 29 E |      |
| 11 E | 30 E |      |
| 12 E | 31 E |      |
| 13 E | 32 E |      |
| 14 E | 33 E |      |
| 15 E | 34 E |      |
| 16 E | 35 E |      |
| 17 E | 36 E |      |
| 18 E | 37 E |      |
| 19 E |      |      |

6.5  
6.10

23 June 1968 514-76701

und 6.5

GBT AREA

#14 downy young

12 NOT

T 16

MT 21.5

Wing 19.5

Wgt 40.5 gms

682-47391

done

GBT-2

1+3

2.56 done

17

40

2-2 hatched



23 June 1968

WTS  
NAF-18-63

SAF-18

SA2-15

81

18

15

---

114

32

10

4-20

~~Done~~

23 June 1968

WTS

4-Bone

-F

Es  
1-1-1-1-1

1

3

1

1

1

3

1

2

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

(4)

~~Done~~



23 June 1968

|       |       |
|-------|-------|
| 32 N  | 3 N   |
| 54 E  |       |
| 13 N  | 18 E  |
| 112 E | 2 N   |
| 102 E | 6 N   |
| 312 E | 33 N  |
| 14 N  | 4 E   |
| 29 N  | 102 E |
| 17 N  | 82 E  |
| 24 N  | 21 E  |
| 26 N  | 9 N   |
| 22 E  | 192 E |

|          |
|----------|
| 1 N      |
| 202 E    |
| 232 E    |
| 82 E     |
| 10 N     |
| 222 E    |
| 122 E    |
| 13 N     |
| 282 E    |
| 6 N      |
| 14 E     |
| 272 E    |
| 4 N      |
| 15 E + N |
| 252 E    |
| 16 N     |
| 5 E      |

24 June 1968 B. No. 1  
No PT

|      |      |      |
|------|------|------|
| 1 N  | 19 E | 37 E |
| 2 E  | 20 E | 38 E |
| 3 E  | 21 E | 39 E |
| 4 E  | 22 E | 40 E |
| 5 E  | 23 E | 41 E |
| 6 E  | 24 E | 42 E |
| 7 E  | 25 E | 43 E |
| 8 E  | 26 E | 44 E |
| 9 E  | 27 E | 45 E |
| 10 E | 28 E | 46 E |
| 11 E | 29 E | 47 E |
| 12 E | 30 E | 48 E |
| 13 E | 31 E | 49 E |
| 14 E | 32 E | 50 E |
| 15 E | 33 E |      |
| 16 E | 34 E |      |
| 17 E | 35 E |      |
| 18 E | 36 E |      |



24 June 1968

4 Sooty Tern

~~Done~~ nestlings in  
South Antenna Field.

69

37  
5

~~130~~  
230

929780

329

339

349

35-

929770  
+

2 July 1968

White Tern

NAF

C-22.1 MT22.5 C27.5

T 12.5 Wing 45 Feath-18

Weight- 57.9 gms

BB-NAI change

737 92977 & 35E

32 2E

15-737-924770

34 gms

done

NR Nestling almost  
fully feathered

7-GP N End of runway  
1-BT



2 July 1968 Br Noddy  
done No Ht

|    |   |    |   |    |    |    |   |
|----|---|----|---|----|----|----|---|
| 1  | N | 20 | E | 39 | 2E | 58 | E |
| 2  | E | 21 | E | 40 | E  | 59 | E |
| 3  | E | 22 | E | 41 | E  | 60 | E |
| 4  | E | 23 | E | 42 | E  | 61 | E |
| 5  | E | 24 | E | 43 | E  | 62 | E |
| 6  | E | 25 | E | 44 | E  | 63 | E |
| 7  | E | 26 | E | 45 | E  | 64 | E |
| 8  | E | 27 | E | 46 | E  | 65 | E |
| 9  | E | 28 | E | 47 | E  | 66 | E |
| 10 | — | 29 | E | 48 | E  | 67 | E |
| 11 | E | 30 | E | 49 | E  | 68 | E |
| 12 | E | 31 | E | 50 | E  | 69 | E |
| 13 | E | 32 | E | 51 | E  | 70 | E |
| 14 | E | 33 | E | 52 | E  | 71 | E |
| 15 | E | 34 | E | 53 | E  | 72 | E |
| 16 | E | 35 | E | 54 | E  | 73 | E |
| 17 | E | 36 | E | 55 | 2E | 74 | E |
| 18 | E | 37 | E | 56 | E  |    |   |
| 19 | E | 38 | E | 57 | E  |    |   |

2 July 1968

2200 - 0100

Moore Mad N. Dregge

White Tern Roosting at  
beach entrance to CR

CR White Tern egg

CR

5 ST chicks  $\leq 200$  g at  
northern end of colony.

Dead BFA SE Beach

757-89883

Xmas Shear

514 76703 X

NE Beach near ST 22  
~~end of runway~~ edge of  
Scaevola

WT-Scaevola 20 g of s inland  
from Messer NE  
5wt in Car behind bananas



514-76711 East side  
of Runway across from  
Rd to Blaymish -  
feathered

514-76712 feather  
25-30 yds South of

~~LA~~  
~~Ldb - Run 583-83819-83918~~

~~Laysan Albatross~~  
~~Ldb - Run 697-90508~~  
~~NAT~~

731-91649  
731-92702

3 July 1968 RTTB

|    |    |    |    |           |
|----|----|----|----|-----------|
| 1  | 21 | 41 | 61 | 81        |
| 2  | 22 | 42 | 62 | 82        |
| 3  | 23 | 43 | 63 | <u>83</u> |
| 4  | 24 | 44 | 64 |           |
| 5  | 25 | 45 | 65 |           |
| 6  | 26 | 46 | 66 |           |
| 7  | 27 | 47 | 67 |           |
| 8  | 28 | 48 | 68 |           |
| 9  | 29 | 49 | 69 |           |
| 10 | 30 | 50 | 70 |           |
| 11 | 31 | 51 | 71 |           |
| 12 | 32 | 52 | 72 |           |
| 13 | 33 | 53 | 73 |           |
| 14 | 34 | 54 | 74 |           |
| 15 | 35 | 55 | 75 |           |
| 16 | 36 | 56 | 76 |           |
| 17 | 37 | 57 | 77 |           |
| 18 | 38 | 58 | 78 |           |
| 19 | 39 | 59 | 79 |           |
| 20 | 40 | 60 | 80 |           |



3 July 1968 Br Noddy NoPT

|    |   |    |   |               |    |    |   |
|----|---|----|---|---------------|----|----|---|
| 1  | N | 20 | E | 39            | 2E | 58 | E |
| 2  | E | 21 | E | 40            | E  | 59 | E |
| 3  | E | 22 | E | 41            | E  | 60 | E |
| 4  | E | 23 | E | 42            | E  | 61 | E |
| 5  | E | 24 | E | <del>43</del> | E  | 62 | E |
| 6  | E | 25 | E | 44            | E  | 63 | E |
| 7  | E | 26 | E | 45            | E  | 64 | E |
| 8  | E | 27 | E | 46            | E  | 65 | E |
| 9  | E | 28 | E | 47            | E  | 66 | E |
| 10 | E | 29 | E | 48            | E  | 67 | E |
| 11 | E | 30 | E | 49            | E  | 68 | E |
| 12 | E | 31 | E | 50            | E  | 69 | E |
| 13 | E | 32 | E | 51            | E  | 70 | E |
| 14 | E | 33 | E | 52            | E  | 71 | E |
| 15 | E | 34 | E | 53            | E  | 72 | E |
| 16 | E | 35 | E | 54            | E  | 73 | E |
| 17 | E | 36 | E | 55            | 2E | 74 | E |
| 18 | E | 37 | E | 56            | E  | 75 | E |
| 19 | E | 38 | E | 57            | E  | 76 | E |

done

78E

77E

3 July 1968

SAF, Sooty Tern Colony

D- 122

57

10

37

226

|   | E      | N |
|---|--------|---|
| A | 118-18 | 4 |
| B | 39 43  | 0 |

613

226

1070

47

A- 236-4

B 57-9

C 44-9

E 43-0

364

441

89



B. Booby 4 July 1968

6 ♀

32 ♀

33 ♀ 597-83221 ♀

35 ~~♂~~

37 737-4515 - ♀ E

5 July 1968

Laysan Albatross  
587-85640-1

Locals -

1 across from lab

1 at begin of path thru NR  
NE side



18 July CR

NE  
~~20309.~~

2000

|   |       |   |
|---|-------|---|
| A | 25-11 | 5 |
| B | 10-1  | 0 |
| C | 12-5  | 1 |
| D | 2-6   | 0 |
| E | 10-0  | 2 |
| F | 7 0   | 0 |
| G | 19 0  | 0 |

|   |      |   |
|---|------|---|
| 1 | 0 3  | 0 |
| 2 | 10-2 | 0 |
| 3 | 5 0  | 6 |
| 4 | 2 0  | 0 |
| 5 | 7-0  | 2 |
| 6 | 0-0  | 0 |
| 7 | 9-3  | 0 |

1000+ HNT

18 July 1968



18 July 1968 SAF

46-2

51-2

39-2

(33)

38-2

34-2

35-2

36-2

37-2

38-2

41-2

42-2

48-2

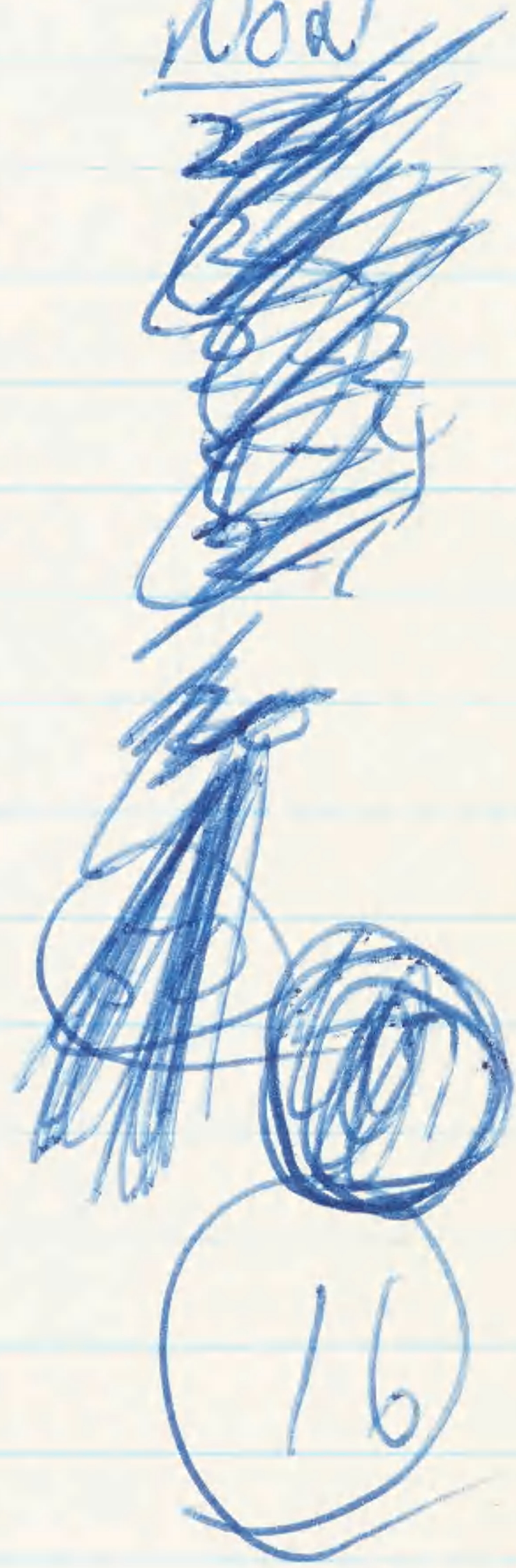
49-2

53-2

52-2

(20)

Now



18 July SAF

BB

18-1

17-2

26-1

36-2

19-1

28-1

38-1

21-2

737-452879

~~9823407~~



~~18 July 1968~~ 18 July 1968

32-2

54-2

2-2

⑥-2

33-2

4-2

20-2 (N)

8-2

21-2

24-2

19-1

9-2

11-

13-2

31-2

14-2

WON

31-7

4-3

5-2-3

1-

29-2

47-2

26-2

22-2

3-2

18-2 (N)

18 July

BB ~~18~~

1-1

9E-1

8N-2

10-2

13-2

4-5-1

70696f

9244107

95819f

14 AF

9594307

Rest nests

924569

929809

15 AM

9244707

45244

70674

70688f

1

4-2

5

6

7

8

9

10-2

12-2

13-2

95-246

23

25

27

28

30

37

102

12

13



BFB

Na Pt

757-288275AB

R 767-50912

R 767-49266

R 767-59032

3 BB not caught

19 July 1968  
No Pt

Br. Noddy

|                                  |      |      |      |      |
|----------------------------------|------|------|------|------|
| 1 N                              | 20 E | 39 E | 58 E | 77 E |
| 2 N <sup>PG</sup> <sub>280</sub> | 21 E | 40 E | 59   | 78 E |
| 3 E                              | 22 E | 41 E | 60 E | 79 E |
| 4 E                              | 23 E | 42 E | 61 E | 80 E |
| 5 E                              | 24 E | 43 E | 62 E | 81 E |
| 6 E                              | 25 E | 44 E | 63   |      |
| 7 E                              | 26 E | 45 E | 64 E |      |
| 8 E                              | 27 E | 46 E | 65 E |      |
| 9 E                              | 28 E | 47 E | 66 E |      |
| 10 E                             | 29 E | 48 E | 67 E |      |
| 11 E                             | 30 E | 49 E | 68 E |      |
| 12 E                             | 31 E | 50 E | 69 E |      |
| 13 E                             | 32 E | 51 E | 70 E |      |
| 14 E                             | 33 E | 52 E | 71 E |      |
| 15 E                             | 34 E | 53 E | 72 E |      |
| 16 E                             | 35 E | 54 E | 73 E |      |
| 17 E                             | 36 E | 55 E | 74 E |      |
| 18 E                             | 37 E | 56 E | 75 E |      |
| 19 E                             | 38 E | 57 E | 76 E |      |



19 July

White Tern

1200  $\pm$  10 Behind Barnack.

AF

C-26.1

T 13.3

MT 20.8 CL 7.8

Wing 66.4 + 86.5

almost fully  
feathered

NR ~~ff~~ Flying strongly.

19 July

20N

8-2 N

19-N

24 fledge

BB

20N

532N

14? E

4 fledge

(39)

A  
B  
C  
D  
E

Eggs  
3  
7  
4  
5

Nestlings  
2  
9  
4  
1



20 July 1968  
Red-footed Booby

- 1
- 2 61.2 x 46.1
- 3
- 4 Tail pin level  $C = 77.6$
- 5 ~~Gone~~
- 6 Down on head -  $C = 84.2$
- 7 73.4 5381  $\frac{1}{2}$  Downy  $C = 29.8$
- 8 Down on head  $C = 83.6$
- 9 Tail pin level  $C = 74.3$
- 10  $C = 78.5$
- 11  $C = 81.9$
- 12 73.9 8392 Full down  $C = 36.5$
- 13 Tail, pin level  $C = 73.0$
- 14
- 15  $C = 85.7$
- 16  $C = 72.0$
- 17 Down on head  $C = 87.9$
- 18  $C = 74.4$
- 19  $C = 77.8$

- 20 Down on head  $C = 83.2$
- 21 767-51401 BS  $C = 87.6$
- 22  $C = 79.3$
- 23  $C = 81.6$
- 24  $C = 84$
- 25  $C = 78.6$
- 26  $C = 82$
- 27  $C = 76$
- 28  $C = 85.7$
- 29 ~~767.45828~~  $C = 86.2$
- 30  $C = 83.3$
- 31  $C = 71.8$
- 32  $C = 25$
- 33 Rattle down 767-51402 BS on head  $C = 83.2$
- 34 Rattle down on head  $C = 81.8$
- 35  $C = 83.3$
- 36
- 37  $C = 82.6$
- 38  $C = 87.0$
- 39  $C = 89.1$



40  $C = 90.3$   
 41  $C = 82.1$   
 42 —  
 43  $C = 78.9$   
 44  $C = 88.6$   
 45  $C = 35.9$   
 46  $C = 77.1$   
 47  $C = 86.0$   
 48 Downy  $C = 33.9$   
 49  $C = 85.0$   
 50  $C = 82.8$   
 51 737-91576 -  $C = 34.4$   
 52  $C = 82.5$   
 53 267-51403 BK  $C = 88.2$   
 54  $C = 71.2$   
 55  $C = 82.2$   
 56 63.7 x 40.9  
 57  $C = 81.5$   
 58  $C = 86.7$   
 59

60  $C = 83.2$   
 61  $C = 81.3$   
 62  $C = 75$   
 63  $C = 28.27$  6246959  
 64  $C = 86.1$   
 65 —  
 66  $C = 78.2$   
 67 667-39147 299  
 68 ~~EM~~ 60.8 x 40.2 MM  
 69 737-96861 N <sup>4.5</sup>  $C = 20.3$   
 70 —  
 71  $C = 14.82$   $C_{23}$   
 72 —  
 73  $C = 74.3$   
 74 767-45288  $C = 21.1$   
 75 737-98382  $C = 16.5$   
 76  $C = 21.0$   
 77  $C = 36.9$   
 78  
 79 56.7 x 40.1  
 80 73745331  $C = 17.4$  Just + it



20 July

81 —

82 E 56.9 x 39.4

83 70-50971 E 57.7 x 39.1

84 1-2 days c = 17.9

85 E 59.8 x 42.4

86 1-2 days c = 17

87 E 60.6 x 41.6

88 10-85.1

89 57.2 x 39.9

90 737.95974 E 66.1 x 42.3

91 60.7 x 41.4

92 57.7 x 39.1

93

99 64.5 x 40.5

101 64.8 x 38.6

Pic 8+9 Nestling #9

WTS

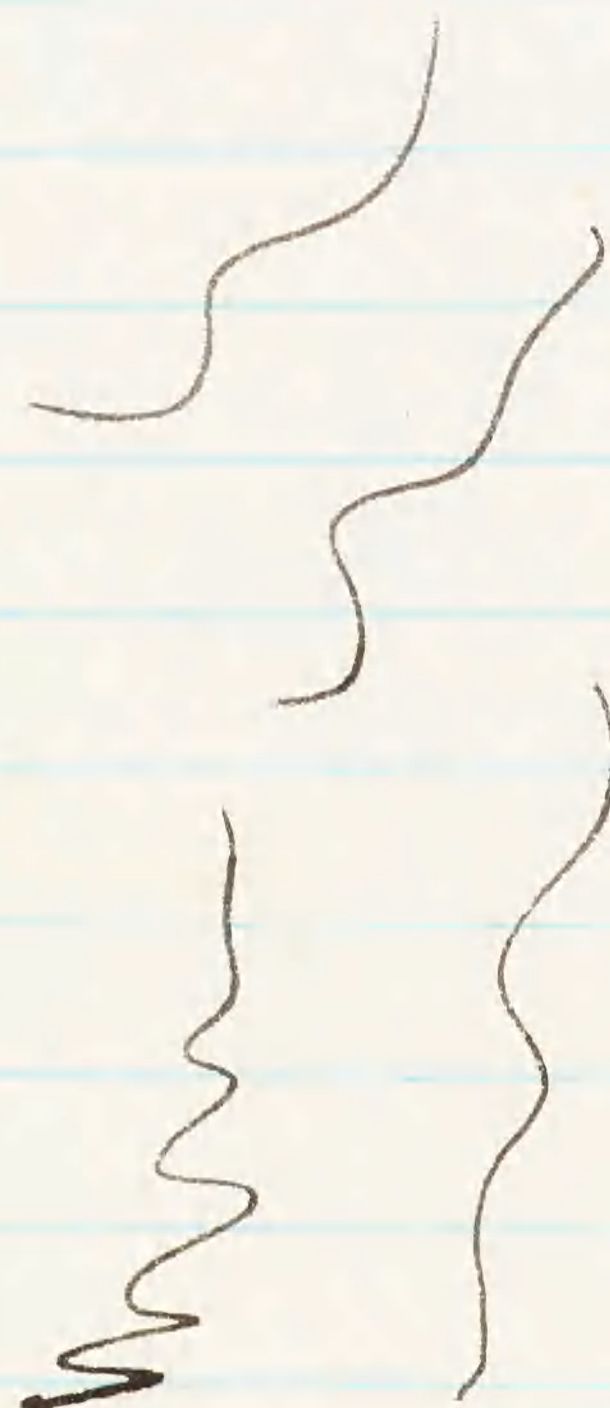
c = 24.5

60.7 x 43.3

TL = 7

X = 15.6 just hatched  
done 32

WT Nest





21 July 1968

(24)

|   | E | - | N |
|---|---|---|---|
| A | 2 |   | 3 |
| B | 5 |   | 4 |
| C | 2 |   | 4 |
| D | 3 |   | 7 |
| E | 0 |   | 0 |

BB

BFB

(24)

21N

35 9244107

53N+E

25 2N

(6-8)

5N

76750908 SA

Range

31N (6-8)

3N- DG

fine  
light



22 July 1968

EAST = 3-2-1-2-2-1

2-2-2-1-4-2-2-1

(L=2)

(29)

End = 1-4-2-2

SE Rm - 48-2 (50)

517 head ad last

5426 head bel 2dys gen

5435 HG head bel 544 DG the whole

CR-16-6-6-2 (L=2)

540 G hdbd ss

SE = 1-1-9-1-1

B. m. l. m. (L=2) - 20

2dys 538 G head bel - 539 W. m. l. m. gen

So Pt - 25

Mount - 19

518

519

SW Beach - 2-2-3-4

2-3-4-2 3-16-1-3

3-8-3-4-22-20-2-4

3-1-4-2-5-1-3-2

edge 531 W. m. l. m. scap shoulder stand

edge 532 W. m. l. m. just back

524 1/2

533 Bl., trace, light

✓ 523 fore 522 torso

✓ 534 scap, back, fore, hind  
Remains shoulder 100 mm

535 2dys DG 1/2 light

536 3dys G head bel

537 G 1/2 bel

521



22 July

555 AG 1/2 B

WEST - L = 1-1-1-1

1-3-2-2-2-5-46-2

16-6-3-2

522

17  
63  
22

1541 G head bel SS.

515 fare

NW-9-3-1-3-2-2-23

G-13-2-2-3-2

545 GHB 2805

31  
22  
53

L = 1-1-1

528

527

546 G 7 x bel SS

507 1/2

549 3h

547 wwb Almaden

DG top left

(73) NORM

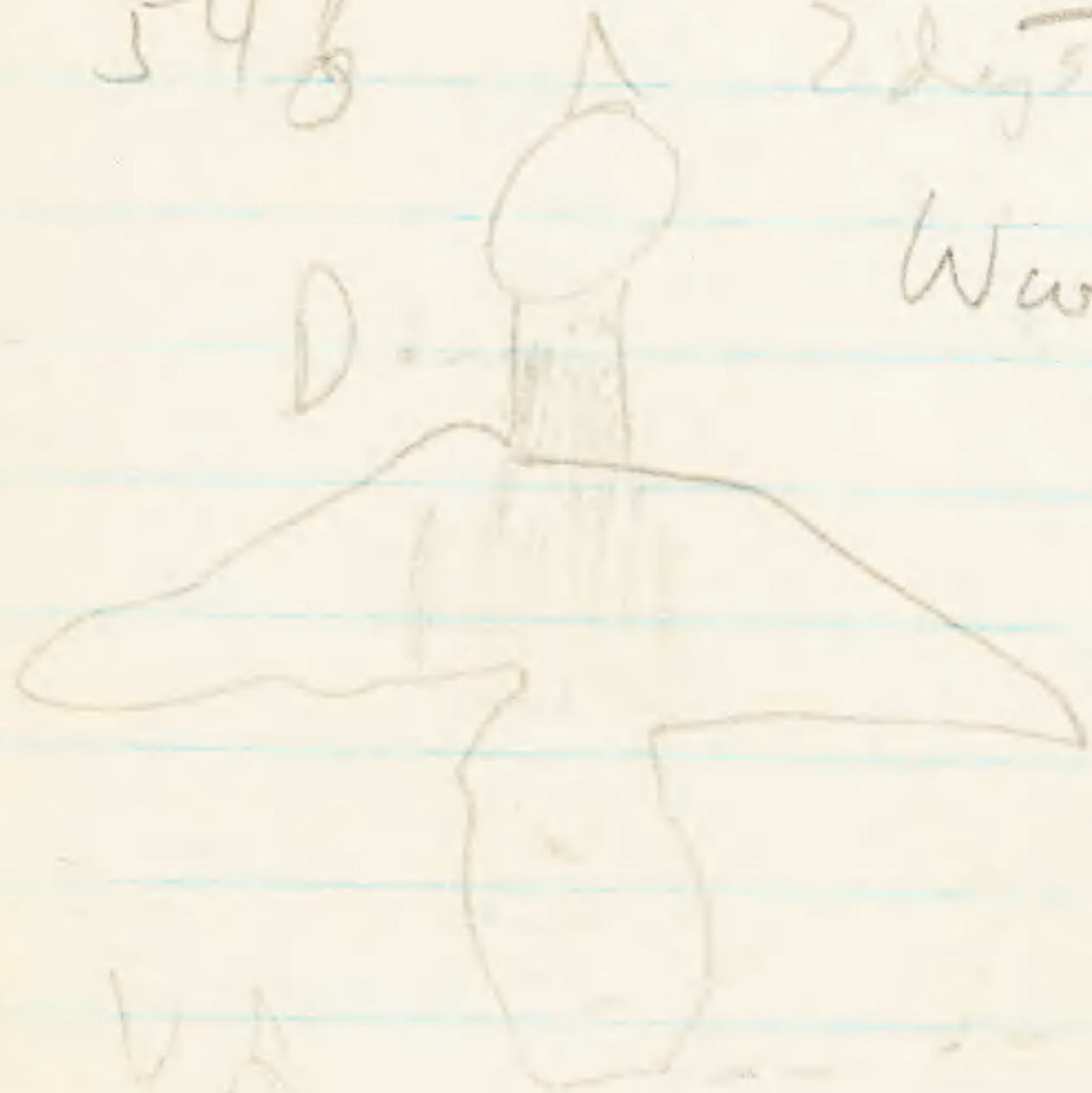
|   |            |      |      |      |
|---|------------|------|------|------|
| N | 21 E       | 41 E | 61 E | 81 E |
| N | 22 E       | 42 E | 62 E | 82 E |
| N | 23 E       | 43 - | 63 E | 83 E |
| N | (555) 24 E | 44 E | 64 E | 84 E |
| E | 25 E       | 45 - | 65 E |      |
| E | 26 E       | 46 E | 66 E |      |
| E | 27 E       | 47 E | 67 E |      |
| E | 28 E       | 48   | 68 E |      |
| E | 29 E       | 49 E | 69 - |      |
| E | 30 E       | 50 E | 70 - |      |
| E | 31 E       | 51 E | 71 E |      |
| E | 32 E       | 52 E | 72 E |      |
| E | 33 E       | 53 E | 73 E |      |
| E | 34 E       | 54 E | 74 E |      |
| E | 35 E       | 55 E | 75 E |      |
| E | 36 E       | 56 E | 76 E |      |
| E | 37 E       | 57 E | 77 E |      |
| E | 38 E       | 58 F | 78   |      |
| E | 39 2E      | 59 E | 79 E |      |
| E | 40         | 60 E | 80 E |      |



548

2 days

Wwln



2-4-2-3  
2-8-2-7-1

NW-2-1-1-6-1-2

529

(T) 550 2 days DG/one bell

551 SWP Wwln

552 1 day Wwln

L=1

22 July Laysan

676 West of Runway

677 SW beach

678 West Run

NE-2-1-1-3

INTERIOR-6-3-3-3

1-2-3-3-1-3-2-2

2-1-2-1-3-2-2-2-1

2-2-1-4-4-1-2

T 556 G 1/2 bell 1-2

Inds 557 G Sept 2 days

558 Wwln 2 days

1-48  
10/3/10



22 July 1968

5A

707-50905 Ad-

25 N

BB

767-567135A

Partial albino?

NR Sum let  $\leq 2000$

GP-77

79 20

RF-B-122

158

Only one GF roosting  
along West Beach  
crest - a Gyrfalcon

NE 25-30KTS

23 July 1968

AREA B North

63.64 40.9

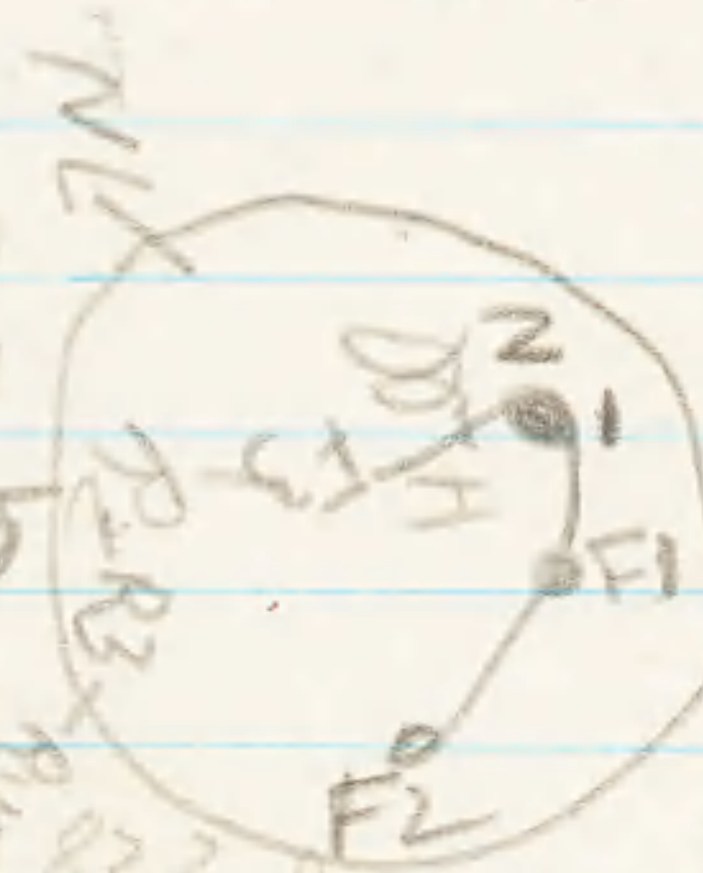
6042.40.3

638 39.6

GF1M04 83.3

2 S-MD4 73.2

35. May 730



IN RFB

Down on legs 2

White Bell

405

Sage

2019

2-Down

in red -

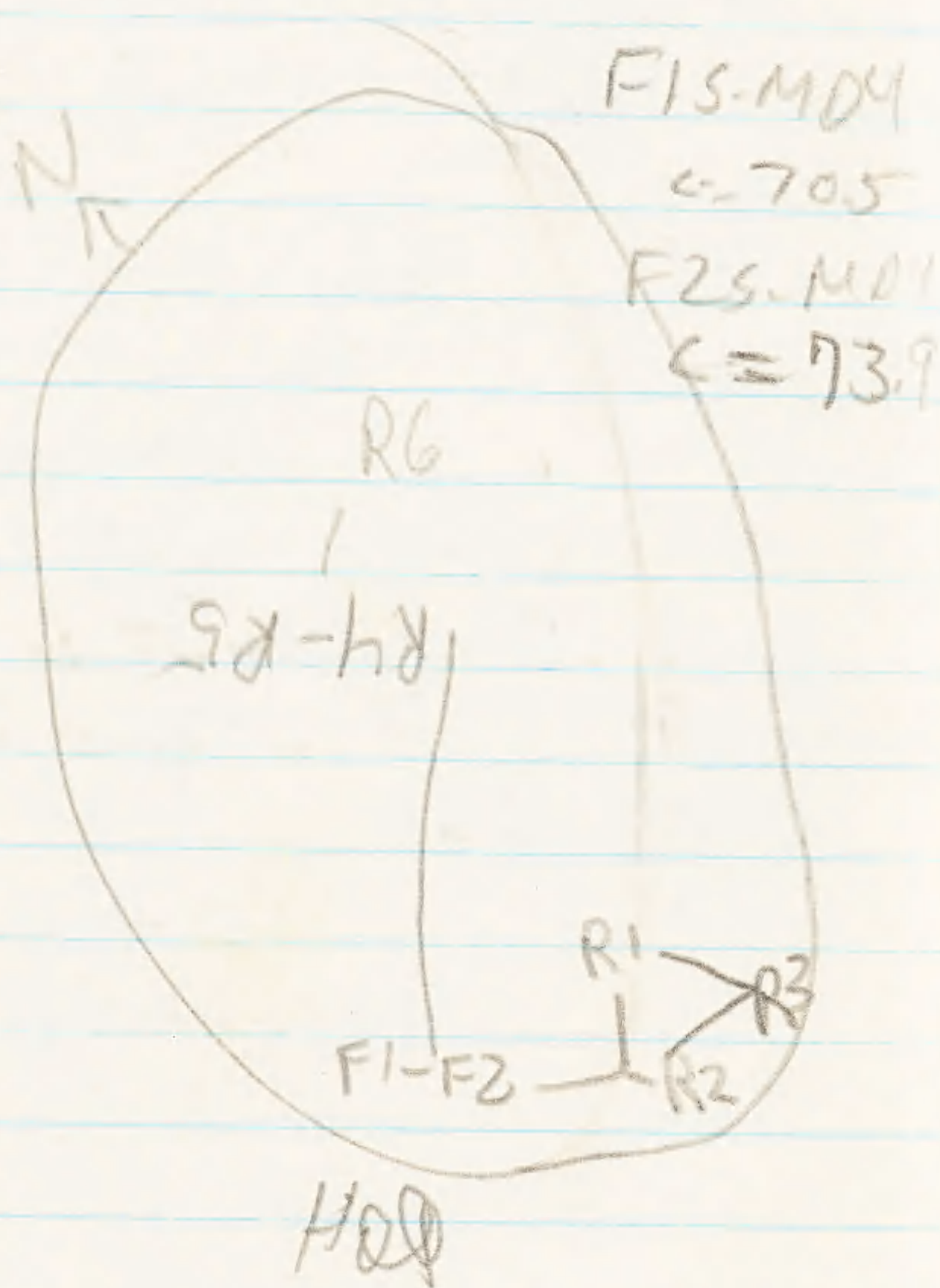
406

3-67.6 MAY

$$4-6 \quad 4.2 \times 38.3$$



23 July  
Area C



R1 - MOY Tail pin started  
C=70.8

R2 - MOY Remiges only  
C=84.37 and well down

R3 - Down on head, neck  
lower back 40% -

R4 - MOY Tail pin started  
C=71

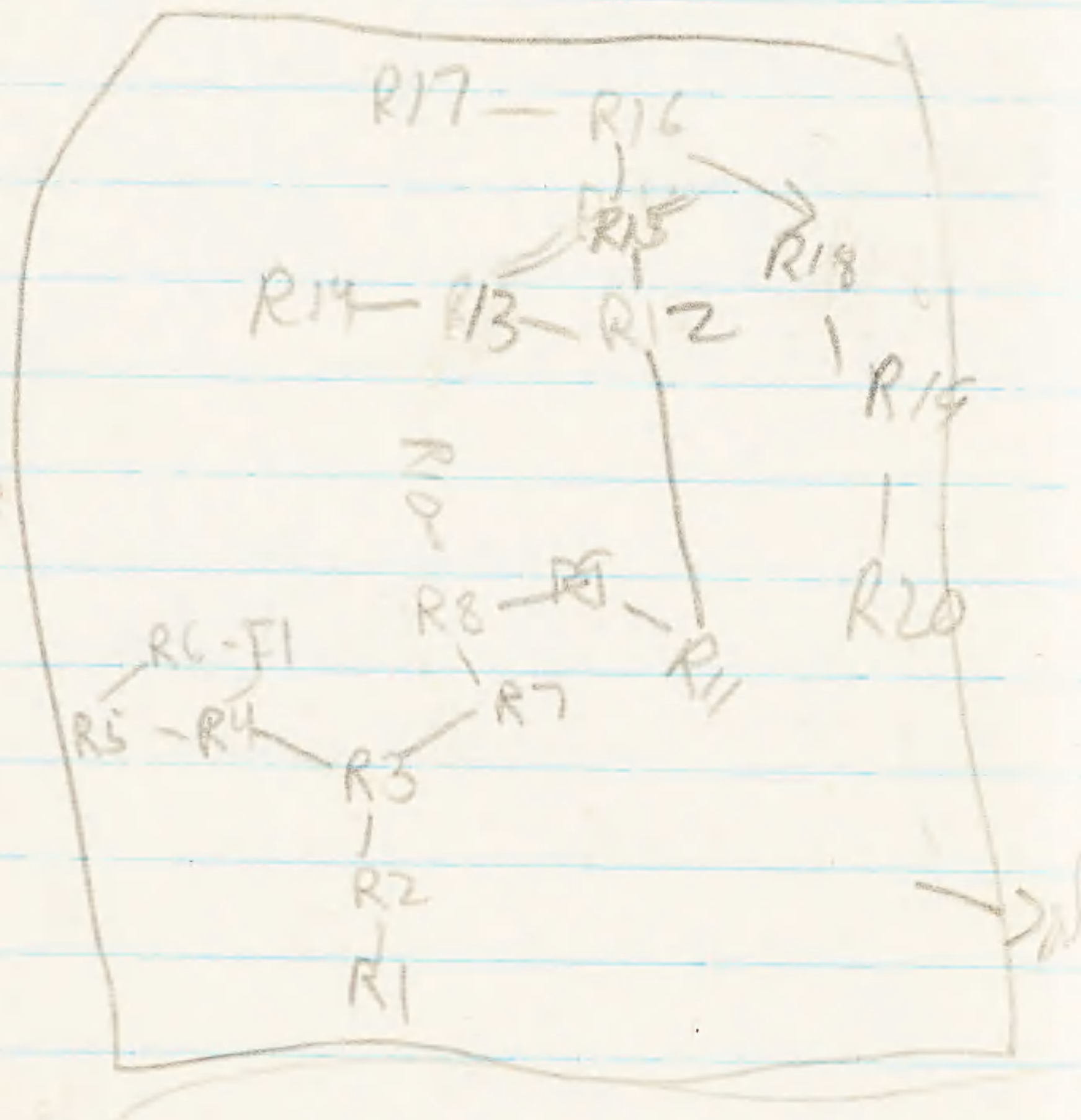
R5 Tail remiges W D  
C=81.6 Rest down

R6 MOY Tail pin started  
C=77.2



23 July 1968

Area D



Ft SOY c=43.8 Scap stat

R20 Downbeat head only  
\$12

R18 Dow head C branch count  
\$11

R19 MDY ~~tail~~ wing @ RC 84.6

R1 NY c=21.8 45th

R2 LNY c=29.1 7th

R3 LNY = 28.957th

R4 SOY c=36.3

R5 LNY c=24.3

R6 SOY c=34.1

R7 LNY c=26.2

R8 E 65.2 x 41.9

R9 SOY c=35.6

R10 SOY c=29.2

R11 Down on head low in  
409

R12 Down on head L. Bail

R13 MDY 77.9 Tail wing @

R14 MDY 70.3 Tail pin stat

R15 NY 18.2

R16 Tail wing w.p c=75

R17 E 57.5 x 39.3



C=83 Tail stable  
C=79 Tail pinched

Area F

508 oldest nestling

---



Bonin Petrel Pterodroma hypoleuca

1. Correlation of  
numbers on ground  
with weather and  
moon

Supplies

7-23

4 fledges

R-25.7

A 3-0

T-73.7

B 4-6

MT 21.2 @ 78

C 1-5

W 70.3 F 100.5

D 4 3

Downanhead

E 0 6

30 KTS W/E

23 July

1945

A 18-8 41

B 5-1 0

C 10-1 0

D 0-0 0

E 7-1 3

F 7-0 0

G 8-0 0

1 0-0 0

2 2-0 0

3 1-0 5

4 1-0 0

5 2-0 0

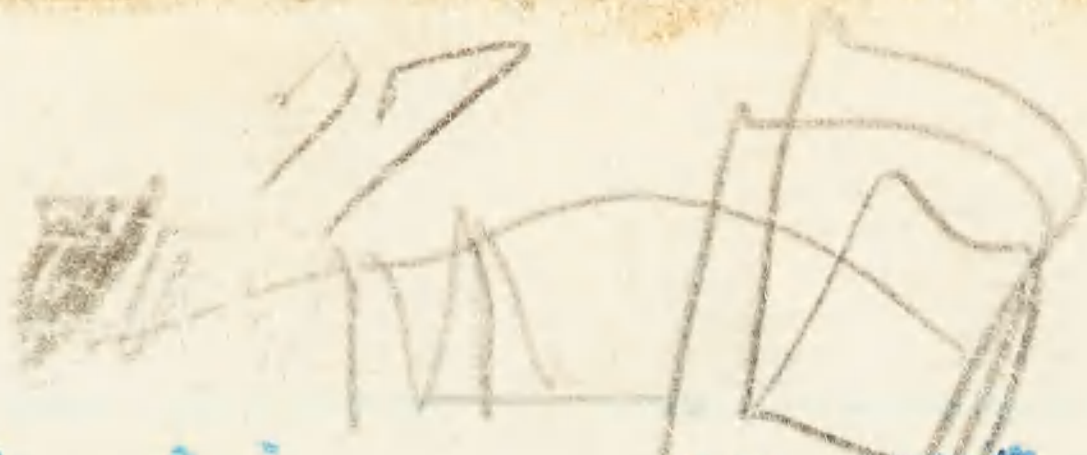
6 0-0 0

7 9-5 0

2590



27

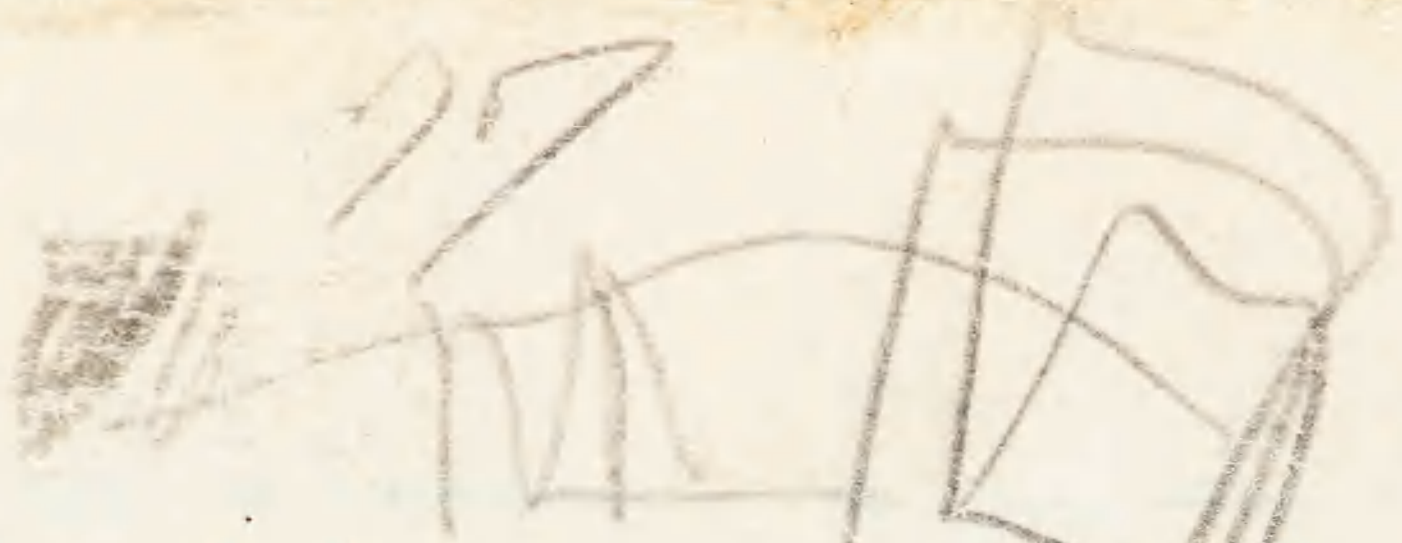


Pr Boobies, unlike ~~the~~ <sup>Cognatus</sup> Blue  
~~not~~ faced Boobies ~~not~~  
 not only roost in  
 the antenna field,  
 but also on the beaded  
 man-made structures,  
 such as the north tower  
 and on Scaevola around  
 the island perimeter.  
 Generally speaking,  
~~they~~ roost in Scaevola  
 at the edge of the  
 antenna field only  
 when nesting. At  
 other times of the year  
 they roost on the beaded  
 and in Scaevola. During  
 the day is individual

9  
 be  
 an  
 wa  
 ush  
 the  
 su  
 sta



27



Br Boobies, unlike the ~~then~~  
~~not~~ ~~Cogblers~~ ~~Cogblers~~ Blue  
 faced Boobies ~~not~~  
 not only roost in  
 the antenna field  
 but also on the be-  
 man-made structures  
 such as the north tower  
 and on Scaevola on  
 the island Permet  
 Generally speaking  
~~they~~ roost in Scaevola  
 at the edge of the  
 antenna field or  
 when nesting. At  
 other times of the year  
 they roost on the be-  
 man-made Scaevola.  
 The day is indistinct



# Memoranda



Woodward

Kure atoll

1968



elled  
ad  
on the

elled  
ad



30 May 1968

Brown Booby

737-92434 AM R

737-45405

30 May 1968 Great Frigate

NW Beach 767-51...

201 AF

✓ 737-92854 SA3F

✓ 737-98199 SA3F mottled head

202 SA3M Wh head LR on the

203 SA3F

Ad 757 28653 SA3M mottled head

204 SAM

205 AF

✓ 737-98334 AF

✓ 737-97581 AF

206 AF

207 AM

✓ 737-45469 AF

208 AF

✓ 767-46551 AF

209 AF

210 AF

✓ 767-45779 AF

211 AF



30 May 1968 - Great Frigate

AREAF 212 SAM

213 AF

214 SA2F

215 SA2M

✓ 767-54833 SA1F

✓ 767-54854 SA1?

216 SA1F

217 SA1M

218 SA1F

219 SA1M

220 SA2M

✓ 767-54895 SA1F

✓ 767-54828 SA1F

✓ 767-54876 SA1F

✓ 767-54872 SA1F

221 SA1M

35



30 May 1968

Red-foot

New Beach ✓ 73792936 A

Area F - 301 SAB

✓ 737-99756 SAW-B

venter white

head white yellowish

Wings rump tail etc Brown

Upper Tail coverts white

PR 1-3 new

4 4090

RL 4 death

RPI 409

rest old

Bill - bluish

302 AM Green

737-44791 AM

767-47001 AF

737-91059 AM Green

737-92876 AF

303 AM

304 Aa



30 May 1968

305 SAB

767-50995 SAB

Mottled the brown ~~back~~  
Dorsum. White rump  
Pink bill slight trace  
of breastband

RR 1-3 new

4-9090

RR 1-~~5~~ old 3 gone

5-6590

5-ld

RL

2 head

6 7090

rest ld

306 SAB

307 AM

308A

767/45219 AM

737/91052 A



30 May 1968 Red-footed Booby

737-91937 A

737-95900 AF

737-91938 AM

3095 A white

737-95935 Ad

737-95992 AM



GF-351  
RFB-23

31 May 1968

Great Frigate

222 AM

51

74

767-50881 AF

47

737-30034 AM

223 AF

224 AF

737-98308 SA 3M

225 AF

226 SAIF

227 SA 1M

Gray breast 228 AM

229 AF

767-46600 AF

31 May 1968

Red-footed Booby

310 AF

767-46962 A

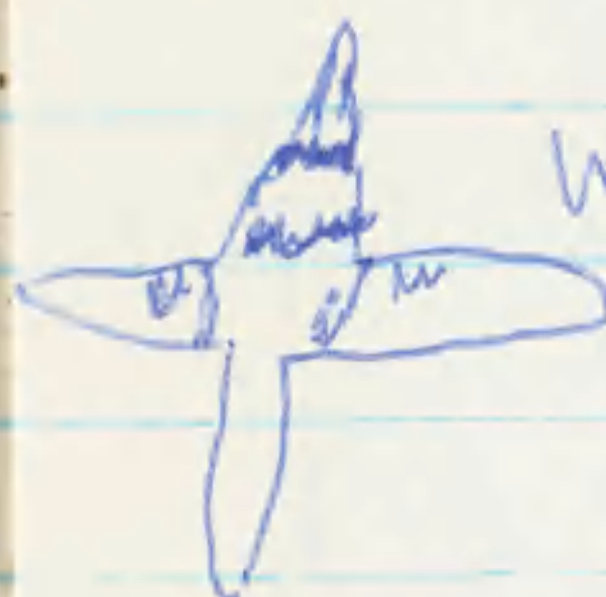
one Black

feather on upper back

737-91593 Ad

767-40311 SAw

Venter white



~~W-B Tail~~

PR 1-2 new

3 sheath

Lower back is  
mud br

311 AM

312 SAW

737-91566 A

737-99635 SAw-B

mottled back & wings

697-24595 Ad

313 SA B



31 May 1968

314 SAB

315 SAB

767-46931 SAW-B

Lower back in prox part wings

~~316~~ 316 Ad

737-96861 AF

737-95880 AM

737-45437 AF

318 A

767-48112 SAW-B

319 A

737-45425 AM

767-45879 AF

767-45228 A

767-50781 SAB

A 767-50985 SAB

520 SAB

521 SAB

767-45968 Ad

0 AC E15

767-50765 SAB

737-92915 AM #49

737-92481 AM

757-27961 Ad  $\leq 12$  Br.  
on back

737-92473 AM

737-98378 AM

223 SAW-B

mottled Br Back and wings

324 AM

325 Adult

737-97583 Ad

737-45351 Ad

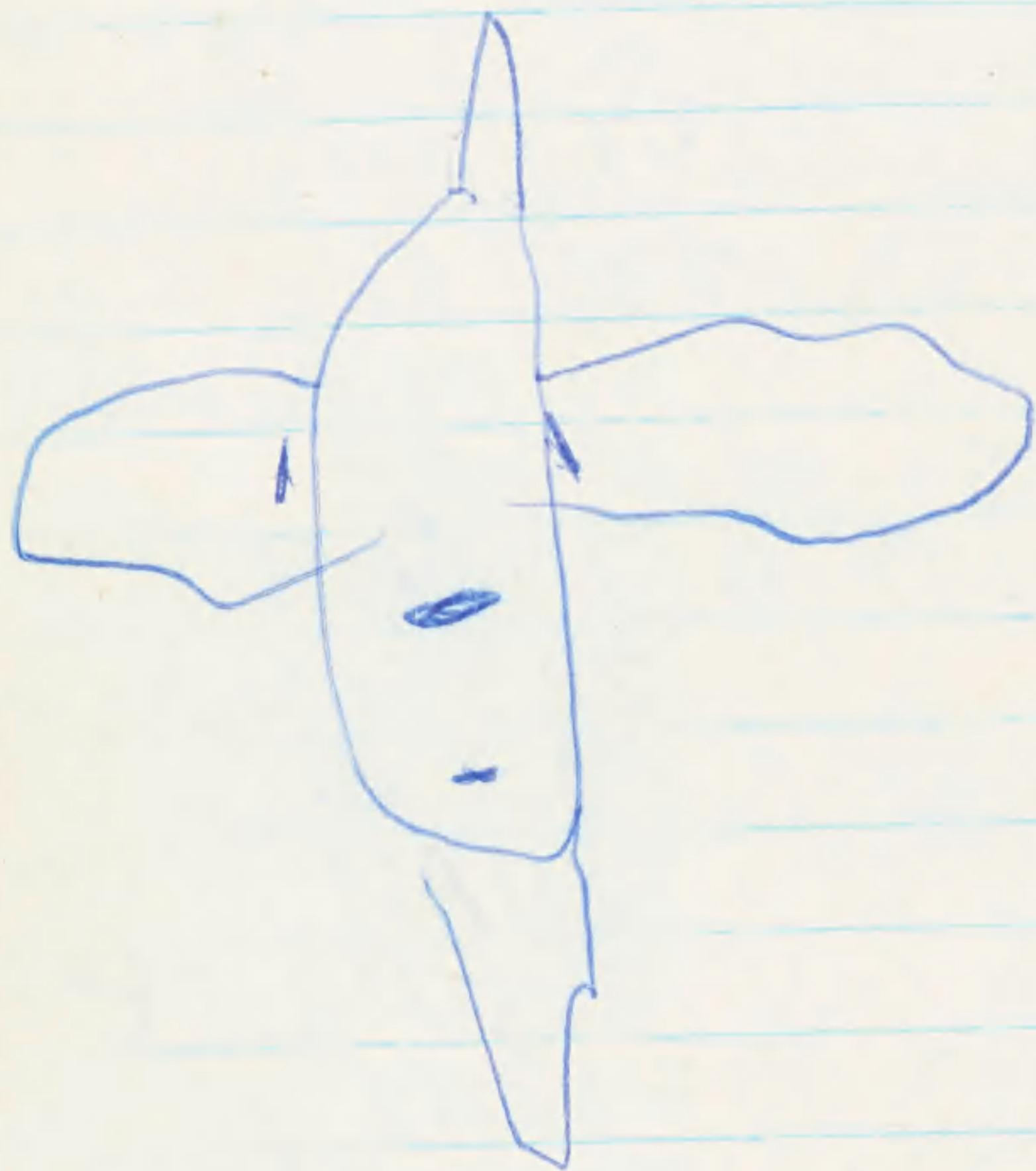
717-50962 SAB

Typ. 737-99756 SAB

737-92976



767-40197 SAW



Mattel Hand

737-99770 SA ✓

767-46908 SAW  
226 SAW

✓ 737-99670 SAW-B

327 SAW-B

328 SAW-B

737-91968 Ad.

767-45889 Ad

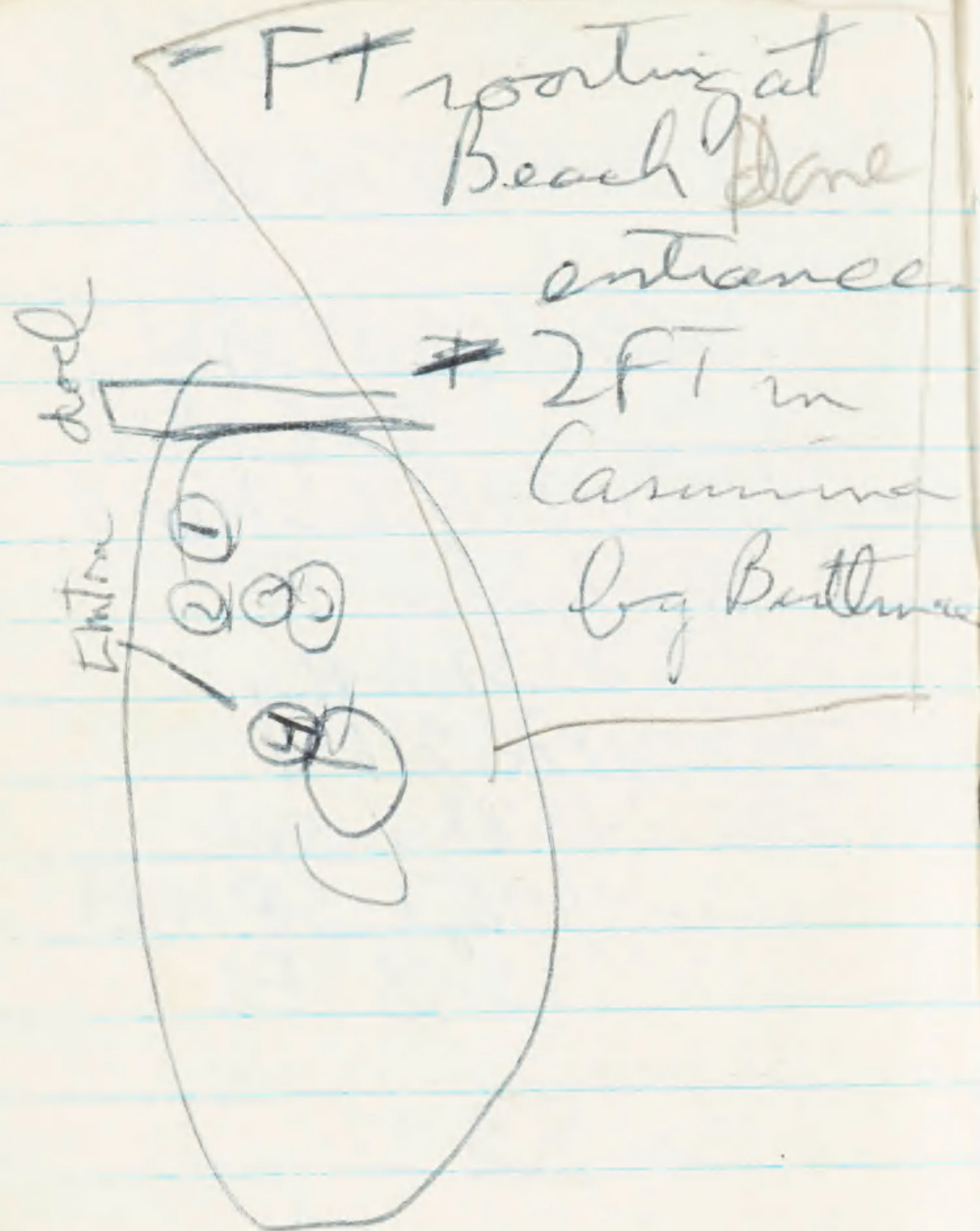
767-46967 SAWB

737-99558 Ad

236- 83

35





FT roosting at  
Beach ~~done~~  
entrance

2 FT in  
Casuarina  
by Butterfly

27 June 1968

RFB CR

Entrance to CR

① 667-39047 AM

3 adults roosting /  
caught

② 767-45838 A

3 adults roost in casuarina  
in dune north of entrance)

③ 737-45375 A

2 adults in scrub on  
east slope of valley

~~Area A~~ - Slope east  
of area B

5 adR 31 Ad  
32 Ad

767-45896 W. BTad

SW Bank 737-95898 A

East slope 3 adult

North of Beach E



27 June 1968

Nest 64-66 737-91070 **Ad**

33 W-BTAd

34 Ad

~~4~~ 4 other adults  
roosting

Ridge east of Bultmore

737 43675A

Rep-767-51311A

Slope by 10 ad

Area F

3 SAWB

767-46979Ad

35 SAWB

32 adults F nesting

737-28495 SAWB

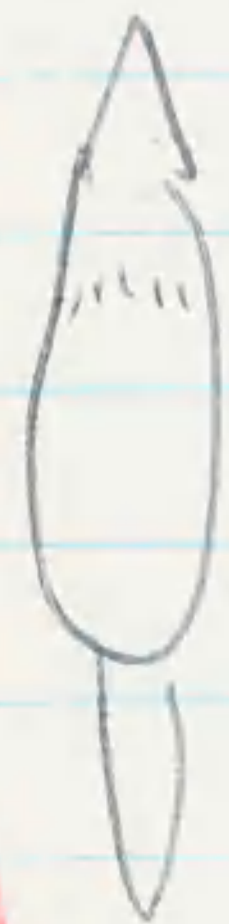
36 Ad

767-45512

50

Roosting area 3-37 Ad

767-50776 SAWB  
Pink Bill  
Orange feet



Mottled Br  
Head and neck  
White rump  
rest brown

10 ad.

737-91554 Ad

38 Ad

Roosting area 6 - 3 adult  
39 Ad



36P  
along east GRFB ad  
side of runway

dry 737-98180A  
Pm 737-99682

W-B Tail white mm  
Dor - Back + wing brown  
with some white  
on back

feet red like orange  
Bill - blue w black tip

PRI 1-3 New  
4 70%

RR1 2590

4 7590

RL 2 7590

64090

27 June Great Frigatebird  
SW Beach edge

✓ 767-46582 AF  
- 231 AF

1SA ridge at Top of valley  
1AF entrance to  
interisland dune

Done

✓ 757-43070 AF  
with 3 ad RFB along  
southwest

along Run 32 AF

42 AF

and CRFB

Area A

33 AF

34 AF

35 AF



27 June 1968

Area C

40 AM

737 45350 A

767-45592 A

737-91564 A

737 92915 A

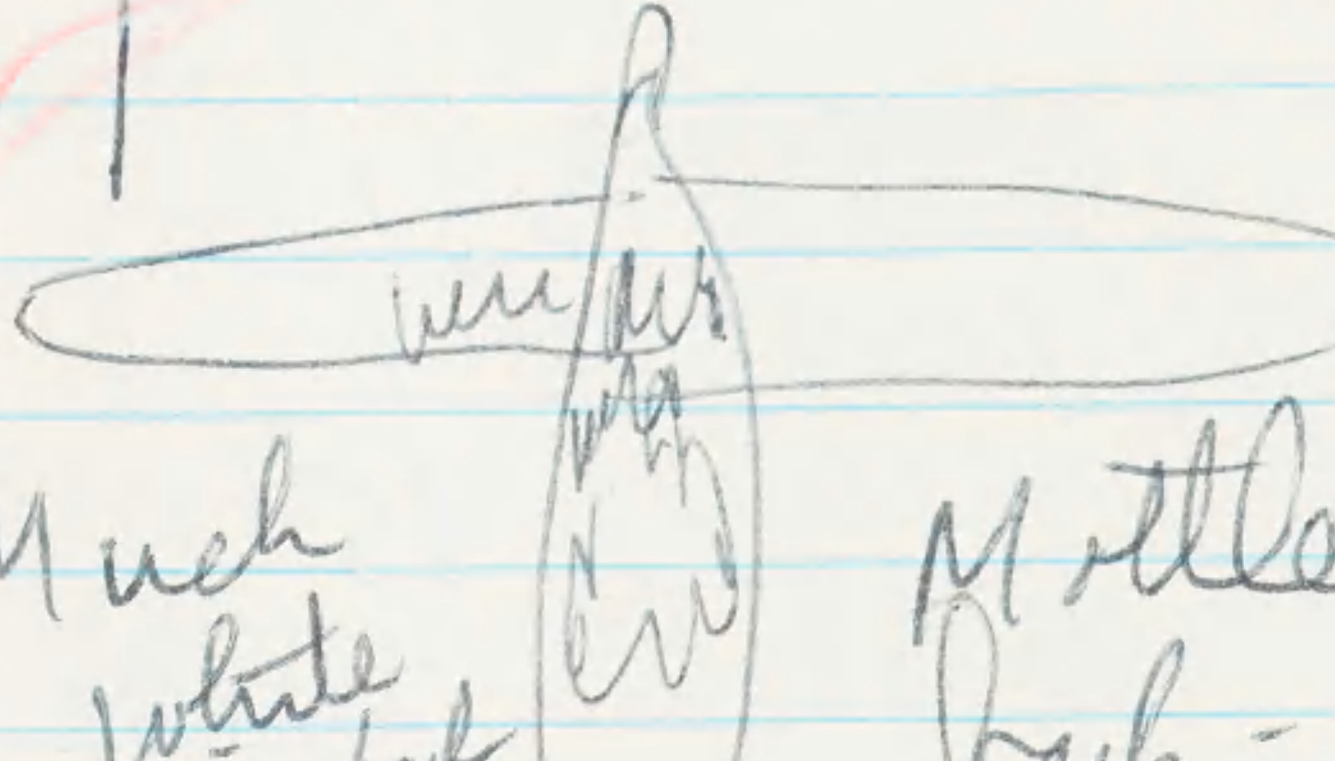
737-98421 A

767-45205 A

737-95932 A

737-99767

1



Much white in back

Blue bird

Mottled Br- back-

P1-4 new

RR 460%

RL3 smooth



and C

41 SAW-B-  
+2 SAW-B not caught

737-99549 Ad

767-46944 Ad

767-46947 Ad

Area A

767-46905 Ad 4/2 Ad

43 SAW + black

44 SAW-B

737-45331 Ad

767-46922 Ad

45 LOST

46 Ad

767-50966 SA BR

1-5 new

737-98392 Ad

767-50958

48 SAW B SA Br

slight trace of  
heart band pink  
bill orange feet  
mottled head

767-50970 SA as above  
PRI-7 new

~~black bill W-B Tan~~

~~46966~~

737-45426 Ad

737-45420 Ad

1 SAW 767-50976 SAB

PRI 1-6 as

767-45986 Ad

767-51306 SAB

~~767-51348 SAW-B~~



27 June 1968

RFB

767 45981 Ad  
50 SAW

767- 45227 Ad



28 June 1968

Walking around North  
end of island starting  
at Poth heading to

Black Noddy 7/2 - 50073 adult  
Roosting on P1 50  
retaining line 2 30  
on pier. 3 death  
4 gone

R R 1 + 5 death  
Laysan Albatross  
feeding young NW.

[BB] 697-70925 AM

roosting at  
edge of Scaevola NW Beach

Chint 514-76707 Birds  
pr 76689 By done  
- 84 908 Messa

✓ 28 June 1968

12 frigates roosting in  
Cassia behind lower  
plant.

767-51236 AM

Roosting alone  
in Scaevola along beach  
near NW corner of area

N. Tower - 237 5AM

238 5AM

Softown -

239 5AM + F

35 ~~to~~

240 AF

frigate

241 5AM

in area  
Tower

242 AM

243 AM

244 AM Gray  
Beet

NE Beach 245 5AM + F

w 4 GF  
1 RFB



28 June 1968

Great Frigate

25 yds 767 50699 AM

north of Messer w 3 others

20 yds South 246 AF  
of Messer.

Gray Brent



29 June 1968 RFL

Area A

#2 737 918 53 AD

#1 737 918 53 AD

Area B

351 AD

707 452 45 AD

737 918 53 AD

747 550 23 AD

707 452 12 AD

NO SUB A DULTS

Area B

375 455 59 AD

737 918 53 AD

352 AD

353 AD

4 707 452 45 AD

Area A

707 452 12 AD

351 AD

IFT at entrance to CR

IFT Cars by Bullseye

Area A

737 918 53 AD

737 918 53 AD

351 AD

352 AD

353 AD

354 AD

355 AD

356 AD

357 AD

358 AD

359 AD

360 AD

361 AD

362 AD

363 AD

364 AD

365 AD

366 AD

367 AD



SW  
5 737-99567 Ad

356 Ad

West runway

#6 737-92921 Ad

#7 357 Ad

767-54821 SA

737-45368 A

767-50965 SA 3

58 SAR

59 Ad

Rg 767-51320

767-45981 Ad

737-45350 Ad

767-45973 Ad

29 June

~~Walling~~ BFA  
767-48453 SW

dead

black feathers on Sy

1-4 new Breastband



29 June GF

CP 767-51247 AF

Gray 48 AM

done

49 SAIF

50 AM

23

AM-D

761-45854A

737-98973 Ad

36057d

done

also br

on runway

and steps



30 June 1968 7-3  
RFB 38-27

- ① 767-51361 A<sup>SP</sup>
- ② 362 A<sup>W-A</sup>
- ③ ✓ 767 50958 SAB
- ④ 363 A<sup>A</sup>
- ⑤ 737 4527 A<sup>A</sup>
- ⑥ 364 SAB
- ⑦ 737 98435 A<sup>A</sup>
- ⑧ 365 A<sup>A</sup>
- ⑨ 767 54924 A<sup>A</sup>
- ⑩ 697 15192 A<sup>A</sup>
- ⑪ 737 95898 A<sup>A</sup>
- ⑫ 366 A<sup>A</sup>
- ⑬ 737 95900 A<sup>A</sup>
- ⑭ 367 SA
- ⑮ 737 99586 A<sup>A</sup>
- ⑯ 368 A<sup>A</sup>
- ⑰ 737 4530 A<sup>A</sup>

30 June 1968

- ⑤ GF-load AM
- ⑧ 251 SAM
- ⑨ 252 AM 5
- ⑩ ✓ 767-34872 ~~SA~~ A<sup>A</sup>
- SAIF
- Rep 549221 SAM
- ⑫ 767-54993 SAM
- SAIF
- ⑬ 767 253 SAM
- ⑭ 767 54861 SAM



0273199698 SAWB

23 69770936Ad

24 dead

Blue bird



RFB

② 737 91700 Ad

*done*

WHS  
NAF-8-3-55-20 (86)  
SAF 40  
SA2 46

86  
~~42~~

CS

10 NAF near 13

GF

① 767 51254 AM

*done*

BB

31-737-968739  
33-737 4529407  
32-697 7068107



30 June RFB 705 Trail To  
NR  
708 Train

AREA

1 767 51255 AM 162  
2 256 Ad  
3 237 Ad  
4 369 Ad  
5 737-30093 Ad  
6 AREA-737 92464 Ad  
7 677-70936 Ad  
8 370 Ad  
9 ~~371 Ad~~ dead Ad  
10- 737-90635 Ad  
11- 737-45432 Ad  
12- 767-54926 Ad  
13- 767-46993 Ad  
14- 767-41404 Ad  
15 371 Ad  
16 737-91959 Ad  
17- 737-99555 Ad  
18- 737-98384 Ad 179

9582607 Great Frig

19 - 258 AM  
20 767-54937 AF  
21 ✓ 767-508135 AF  
Mottled  
22 line 259 AF  
23 260 SA3+F Mottled  
24 261 AF  
25 737 98317 AF  
26 262 AF  
27- 263 AF  
28 264 SA3F Mottled  
29 265 AF  
30 266 AF  
31 267 AF  
32 268 AF  
33 269 AF  
dead  
95 178



18 July 1968 CR  
Red-foot Booby

767-513

✓ 737-98391 Ad

✓ 737-45351 Ad

✓ 737-99657 SAWB

✓ 737-99642 SAWB

73 AM

72 SAB

✓ 767-51314 SAB

★ Red 757-35426 SAWB

✓ 737-99698 SA

Heav Mottled  
Bare



Much white

74 SAB

✓ 767 45879 Ad

★ 587-~~587~~ 84327 SAB

75 SAWB

✓ 737 99526 Ad

76685 Mound by Lab 12 Person.  
24 pr.

25 Awn 26N CR

76 SAB

77 SAB

737-99715 SAWB

✓ 767-46922 Ad

✓ 767 45574 Ad

78 SAB

★ 757-89781 Ad

✓ 767-46939 Ad

79 Ad

80 Ad

81 SAB

R 767-51351 Ad

★ 767-48094 Ad <sup>2 br</sup> RSC

✓ 767-50981 AM

✓ 767-45915 A

✓ 737 95937 Ad

✓ 737-45971 Ad



18 July 1968

82 Ad

✓ 767-45212 Ad

✓ 737-91583 Ad

Whitefront

83 Imm

Black Gull

84 SAW

85 SAB

86 SAW

✓ 767-495 45944 Ad

✓ 737-99756 SAWB

almost adult

87 SAWT

some brown feathers on back

88 AM

89 SAB

≤ 35 Subadults  
present

18 July 1968 GF

767-46592 SA3?

737-96907

767 70g Mass.



20 July

AREAT 51500



737-45277A

390 SA W-B

391 AM

\* 587-91131-AN

under, small BF range

732-98412 Ad

392 Ad

393 SAB

767-51324 Ad

737-99526 Ad

737-98164 Ad

394 SAB

767-50761 SAB

mud bill 737-99670 Ad

395 Ad

mud white 99665 SAB

396 SAB

767-45211 Ad

397 Ad

20 July 1968

Gr. Frigate

757-51000

SABF 587-80008

Body thin - white head  
with some red -

Body 3/3 black - Adult

- 270 SABF

RA \* 757-28376 SAB

- 271 SABF

272 AM



RT B

737-98372 Ad

767-45831 Ad

767-46932 Ad

3905 Ad

3905 Ad

767-46931 Ad

767-54924 Ad

3905 Ad

\* 757-26438 Ad

Some be in range

Some be in range

one bit in range

502 AM

News \* 58290601 SH

737-91671 Ad

767-54916 A

767-45811 A

737-91981 A

Report 767-51376 Ad

737-91981 A

503 SH

737-996555 Ad

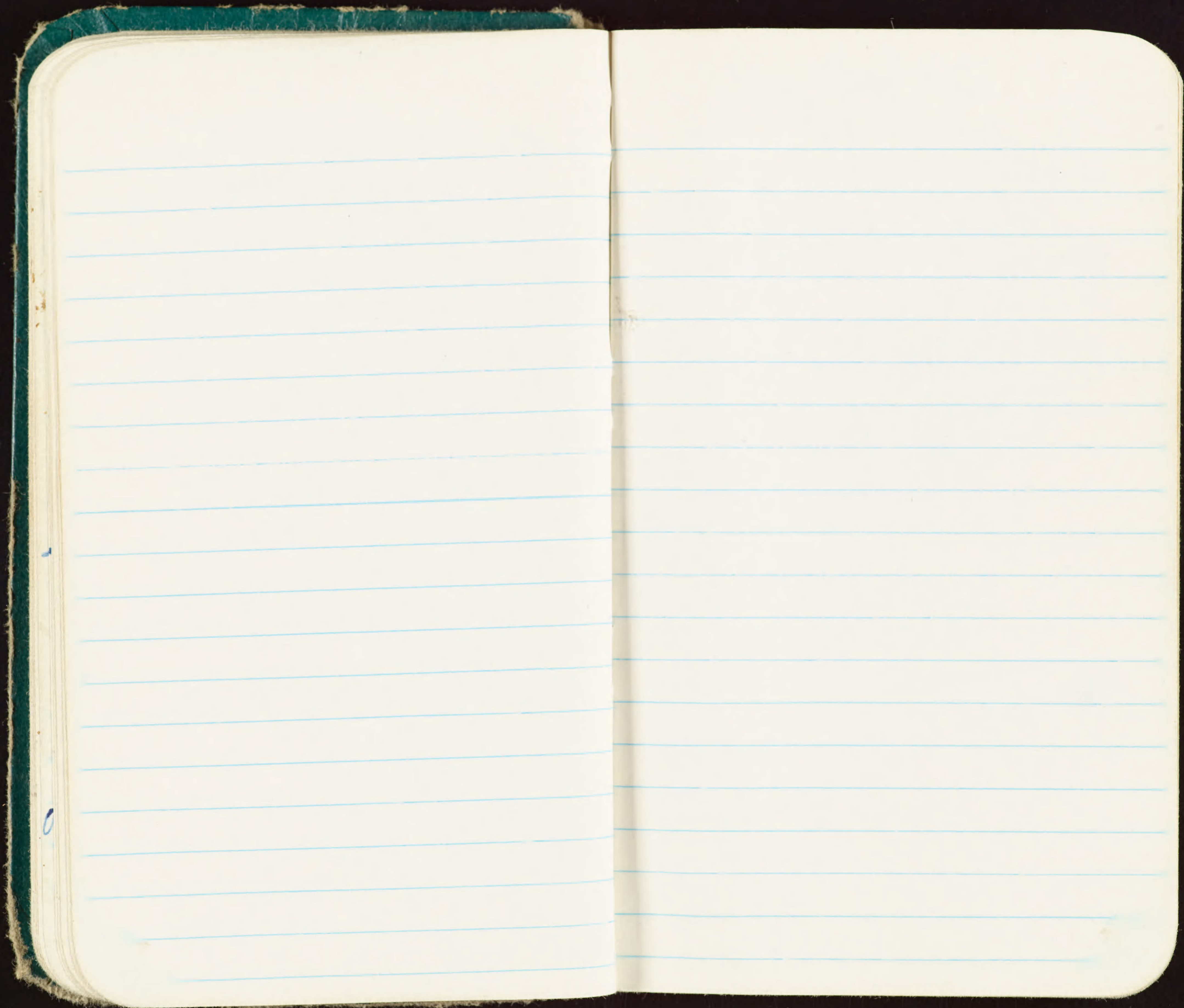
\* Mid 157-90135 Ad

767-45262 Ad

504 SH

737-92825 Ad







22 July 1968  
RFB CR

767-515..

✓ 767-54903 Ad

✓ 2 WW-767-48207 Ad

✓ 51305 SAR

✓ 767-49192 Ad

505 Ad

✓ 767-45240 Ad

✓ 767-45574 Ad

51395 SNW

506 BSA

✓ 767-548255 Ad

✓ 737-91892 Ad

✓ 757-89800 Ad

✓ - 51342 Ad

✓ 51383 I

✓ 767-46943 Ad

51382 Ad

507 Ad

✓ 767-45241 Ad

22 July 1968 F

273 SA2F

274 AF

767-50941 AM

767-45800 AF

275 SA3

767-46542 AM

767-50819 AF

3-5-40



~~283~~

✓ 767-45216 Ad

✓ 767-45903 Ad

✓ 767-50987 Ad

Matt ✓ 787-99757 SAW  
508 Ad

✓ 737-99655 SAW

\* ✓ 587-90235 SAB  
51504 Ad

Pink ✓ 737-99689 SAW  
509 SAB

51377 SAW

510 SAB

511 Ad

✓ 737-45281 Ad

✓ 737-98389 Ad

✓ 737-99760 SAW

737-98494 Ad

51334 Ad

512 Ad

✓ 737-98368 Ad

Hil 513 Ad

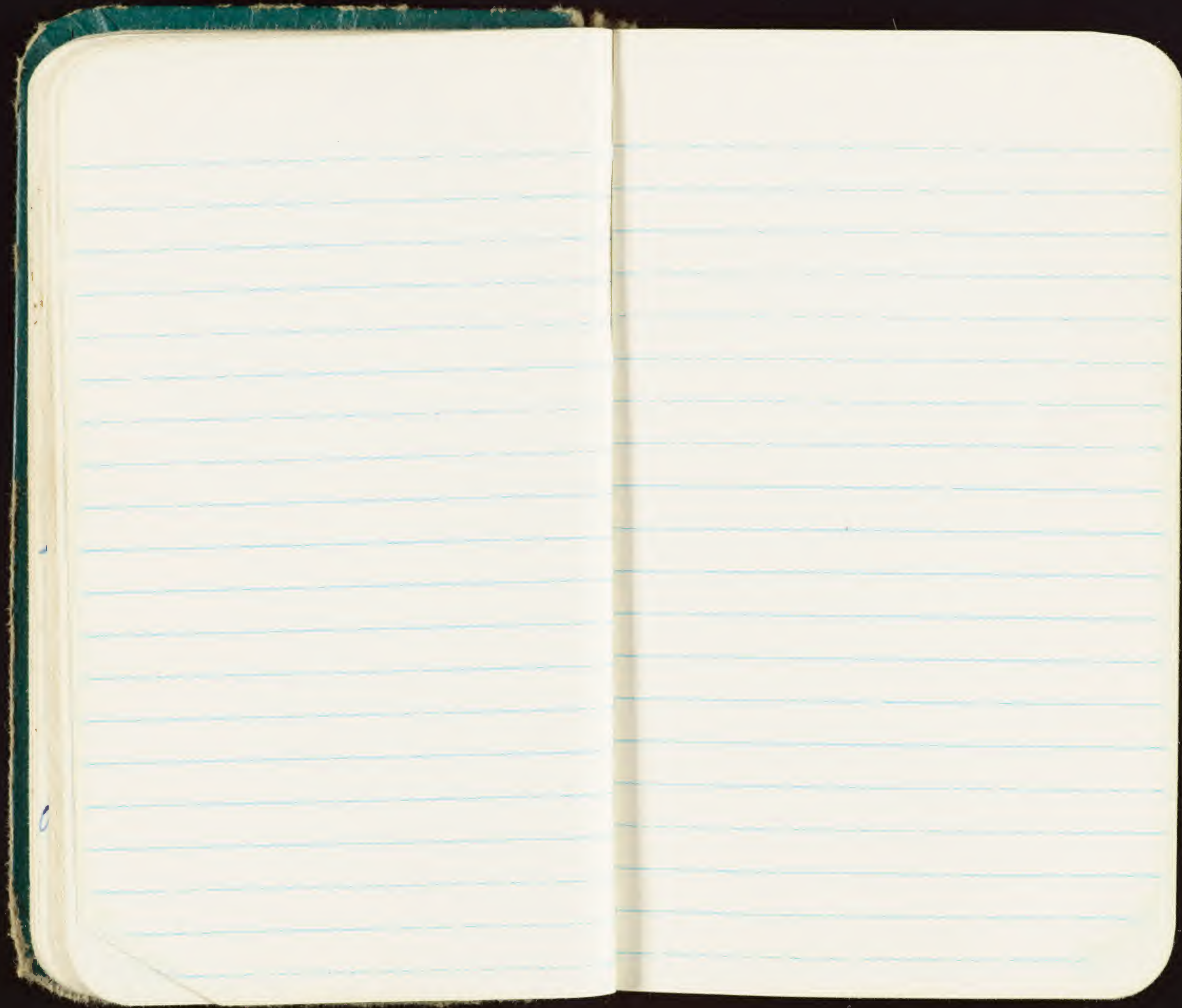
✓ 767-50976 SAB

✓ Matt 737-99637 SAW

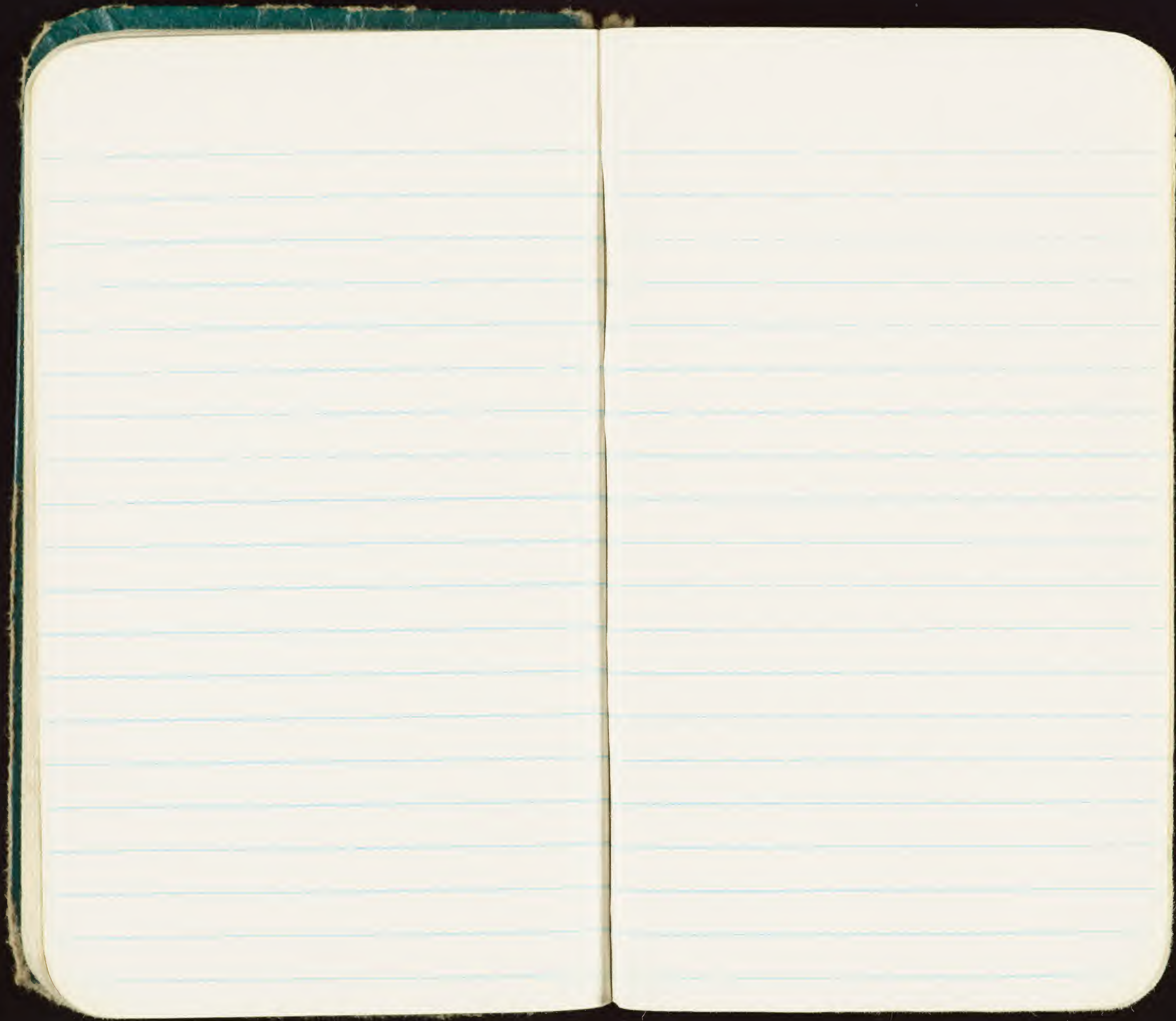
✓ 767-45533 Ad  
514 Ad

(44)

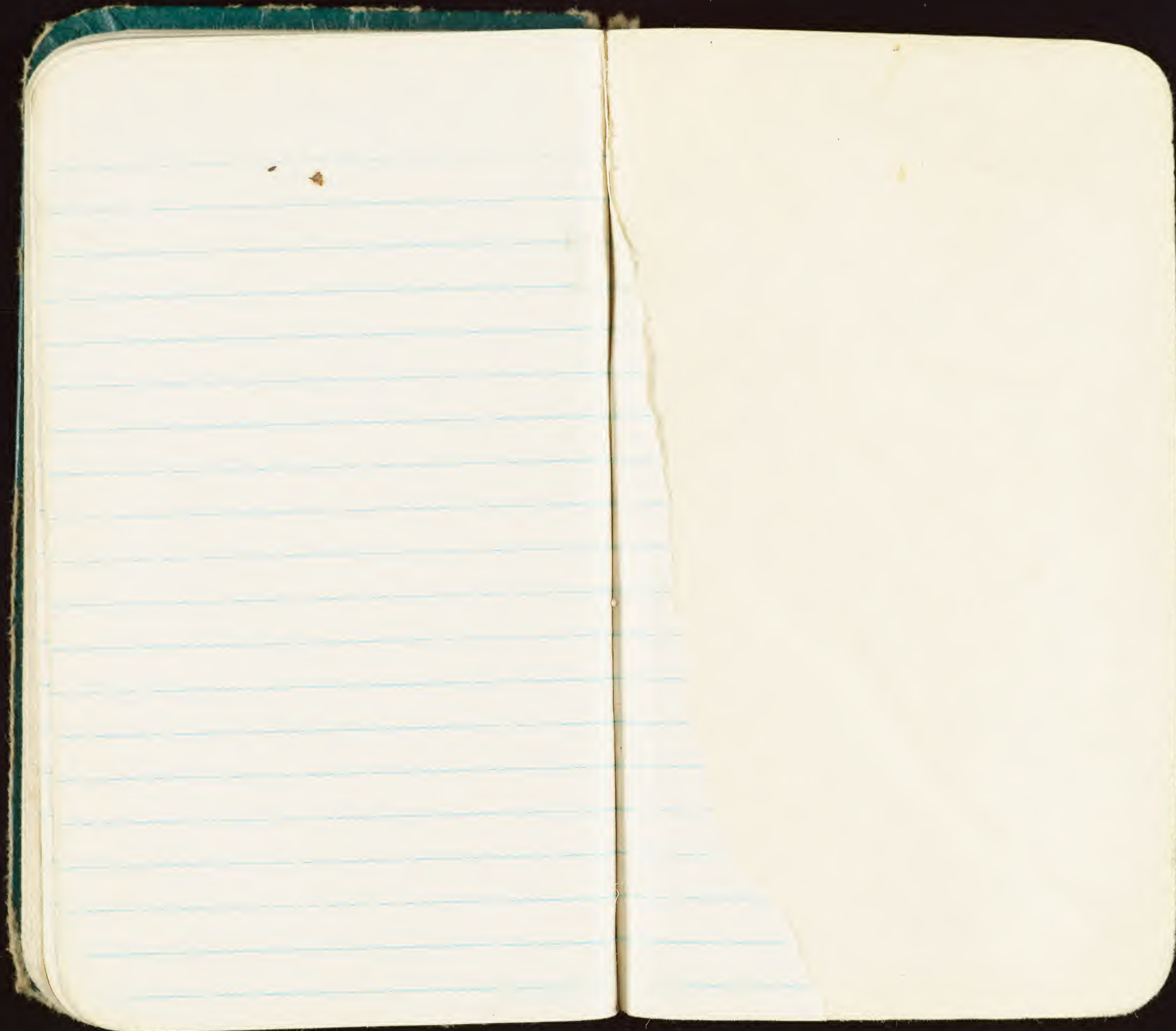














21

1



Memoranda



6 June 1968 Red-foot  
Booby CR

1 ?

2 E

3 Gone —

4 ?

5 E

6 N C-64 T-35.9

7 ~~E~~ E

8 N ~~4-30~~ MT 37.5 Tail coming  
pt. sheath 5

9 N 1-2 dys Naked ET C 16.5

10 N S D Y C-52.5 T-35

-11 N completely down T-30

12 E

13 N ~~4~~ 5 dys Nal 16 T-11

14 —

15 N comp down, 48.5 + 45

16 E

-17 N M O Y 72.5 + 39.0

-18 N N Y 4.5 18.5 + 16

19 N slight D- 31.5 + 21



Frig. 2-1-2

E-2

767 46939 <sup>WN</sup>



761-45828 <sup>WN</sup>

Scap der. 75 + 35.6

why am all the

20 N on 8 71.6 + 34.2

21

22 N slight Down 29.0 + 20.8

23 on 8 64 + 35.0

24 SDY 40.4 + 29.7

25 N 18 + 14

26 8 67.8 + 35.

27 E

28 N on 8 68 + 36.0

29 SDY all D 36 + 27.5

30 on 29 36 26.5

31 NY 3.1 dy 16 10

32 Tail W-D Pri 30 on 29

32 E

34 N on 8 70.33

35 SDY - 55.5.34

36

39 on 8 64.2 34.8

838 N 67.5 36



737-98380 —

737-99534

- 39 SDY 67.4 + 36.3  
40 SDY 56.5 + 32.3  
41 Tailwell/dere 75 + 36  
42 ?  
43 N LNY some down 28.14.6  
44 SDY 46 31.4  
45 E 37.8 + 25.3  
46 N - 1-2 dm 16.8 + 12.5  
47 3 SDY  
48 E  
49 cu 8 74.5 + 35.8  
50 cu 8 75 34.5  
51 E  
52 2 x 58 69.5 + 35  
53 N TailW D + P 76.5 + 34.5  
54 E  
55 SDY 66.5 + 32  
56 E  
57 SDY 55 + 34.6



767-46955

752 + 32.5

737. 45354

6 June 1968

58 SDY - 56 + 37.5

59 SDY. 51.5 + 36.0

60 MDY Tindwellde

61 MDY on 60 73 + 34

62 E

63 E

64 SDY 36.5 + 27.

65 E

66 SDY all down 41.3 + 29

67 E

68 E

74 E

69 E

75 E

70 E

76 E

71 E

77 E

72 E

73 66.8 37.8

MDY

7



CR  
 8 - 19 - 3

6 June -

NAF

BFB

BB

7E 1N

13-N 4E

20 2E

56E 6N

23E

53 2E 33N

8 2E

9N 2N

9E

55E 3N

10 2E

14-N 5E

11 N+E

29N 32N

22 2E

47-N

12 2E

26-N

13 N

27-2E

6 N

54E

14 2E

19 2E

13 2E

24N

25E

8 2E

26? New

20-2E

4N

16 N+E







6 June 1968

AREA-C  
REFB

West-2-4-2-1-2-2

E-1 pup 1-1  
LDY - Tail develop -1

MDY-1-1

SDY-2-3 wh-1

LDY-1-1-1  
(14 days)

GE

Neth-3

E-1

NY-1



AREAD

RFB

Nat -1-2-3-2-2-3-1

Egg-1-1

SDY-1

MDY-1-1

LDY-1

---

AREAE

RFB

Nat-4-1-1-1-

Egg-2-1-1

MDY-1-1-1

NY-1

GFD

Nat-2-1

E-2-1

---

CF Nat-2-3

Egg-1-1

NY-1-1



6 June 1968  
Area F

Area F

16-18 66  
32

RFB

V-10-4-1

Nerts - 1-2-1-8-4-2

3-5-1-4-1-2-3-1-12

E-7-1-1-1-1-1-1

$N^4 - 1 - 2 \text{ dys} - 2$

SDY 3 wht -2-1>1

6-7-1

Ny - 6.7 days - 1-1

CDY-V-1-V

MOY-2-1-1-5

GE

$$\begin{array}{r} 66 \\ 24 \\ \hline 90 \end{array}$$
$$\begin{array}{r} 38 \\ 28 \\ \hline 66 \end{array}$$

Next 4-1-2-10-2-8-10

7-2-6-4-9-1-3

98-2-1-1-1

504-5002-3+-1-1-

LN7-1 1/2 wa.

Yang

3-4 yr

MAY <sup>3-4 yr</sup> ~~4 yr~~ says WD-2

2-3 wh-1-1-1-x-1-1-1

3 + -1



6 June SAF

34 2E

35 N

36 N

37 N

38 N

39 N

50 2E

51 E

41 N

42 N

48 N

52 N + E

49 N + E

40 2E

46 N

BB  
26 E

18 N

17 A 2N

19 2E

21 2E

ST

Old 158 + 135 = 83

New - 130

Rec - 97

5 GP  
10 RT

158  
135  
293  
83  
76



8 June 1968

Shoebird Count

SW

Seals

A ♀ - 2

South Pt

RT - 2 - 1

WT - 1

~~SE of runway~~

SE

Seal A ♂ 1 - 1

♀ 1

RT - 2 on coral

1

Seal - 1

NE

Seal ♂ 1 - 1

No ♀ 1 - 2

WT - 1

Pup ♀ Ad

♀ - 1

RT - 6

Sand Is - 6 Seals

Check closely for Tags  
7 - 2 - 1 - 2

1 BFA feed N SW Wh ramp  
1 slightly wh

No PT

Seal ? - 2

NW Seal ♂ 1 - 1

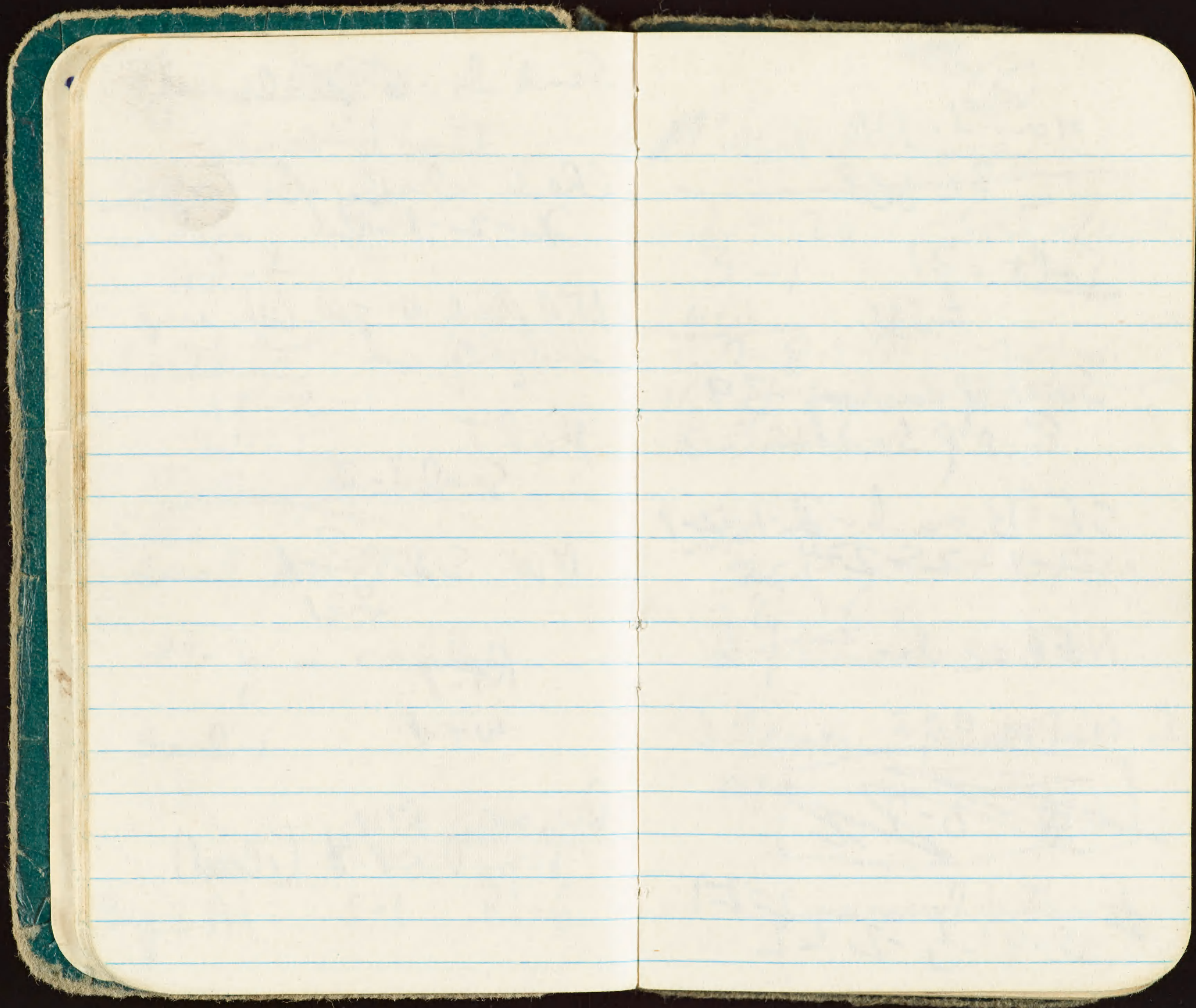
♀ - 1

RT - 1

WT - 1

Runway RT - 1  
GP - 4 (1 Brod)







Mand-14

3 Eggs

Sept-21

Eggs

South of Runway -39

End of Scatola -2

SE Beach -2-1-2-1

2-1-2-2-1-2

NE Beach -2-1-2

NOpt-49

~~NW -8-7-2~~

East of Runway -2-2-1  
-3-4-3-2-2

~~Feb~~ 6

West of Runway

2-20-1-5-5-10-2

3-1

NW

2-7-8-8-7-2-2-1-1

16-7-1-2-2-1-1-5

1-3-1-1-1

38

35

73

SW

2-5-2-1-1-1-10

1-8-3-6-1

Built more -1

Interven -3-1-2-2

1-1-1



CR

8-3-1-3

8 June 1968

BFB NAF BB

|          |        |                |
|----------|--------|----------------|
| 27 2E    | 16 N+E | <del>17E</del> |
| 26 N 32N | 5? E   | 1N             |
| 24 N     | 4 N    |                |
| 18 E     | 15 2E  | 7-             |
| 29 N     | 25 E   | 1 N            |
| 47 N     | 27 E   |                |
| 14 N     | 6 N    |                |
| 31 2E    | 14 2E  |                |
| 13 N     | 13 N   |                |
| 11 E     | 22 2E  |                |
| 9 N      | 11 N+E |                |
| 19 2E    | 10 2E  |                |
| 8 2E     | 9 -    |                |
| 20 2E    | 8 2E   |                |
| 5 2E     | 23 2E  |                |
| 6 N      | 20 2E  |                |
| 33 N     |        |                |
| 2 N 4E   |        |                |
| 3 N      |        |                |



8 June

SAP

46N

52 N+E

34 2E

35 N

36 N

37 N

38 N

39 N

50 2E

40 2E

41 N

42 N

48 N

54 E

45 12 70

BB

76 E

18 N

17 N

19 2E

21 2E

ST-147 New

150 C

121 B

130+239 A

516

ALL

part

data

extract

6-09 PWW



9 June 1968

C1630 - 5 RT and 1 GP at  
the North end of the  
Runway.

RTTB Study Area

|      |      |      |      |
|------|------|------|------|
| 1 E  | 13 E | 25   | 37 E |
| 2    | 14 E | 26   | 38 E |
| 3 E  | 15 E | 27 E | 39 E |
| 4 E  | 16 E | 28 E | 40 E |
| 5 E  | 17 — | 29 E | 41 E |
| 6 E  | 18 E | 30 E | 42 E |
| 7 E  | 19 E | 31 E | 43   |
| 8 E  | 20   | 32 — | 44 E |
| 9    | 21   | 33 E | 45 E |
| 10 E | 22 E | 34 E | 46   |
| 11   | 23 E | 35 E | 47 E |
| 12 — | 24   | 36 E | 48   |

Now  
49 EG C1845  
50 E 76 P 2 BP Plan  
51 E 2 RT  
52 E 1 Sanderling  
53 E  
54 E  
55 E  
56 E  
57 E  
58 E  
59 E  
60 E  
61 E  
62 E  
~~63 E~~



9 June 1968

SAF

BBB

46N

52 ~~N~~ 2N

342E

35N

36N

48N

37N

38N

39N

502E

~~985329~~

402E

51E

41N

42N

54E

4512507 ✓

BB

17N

18N

26E

192E

212E

392A

92B

125C

204New

8E

9 June 1968

NAF

BBB

2N 312E

3N 29N

33N 47N

6N 272E

4E 18E

52E 32N

202E

82E

9N

553504407

192E

20N

24N

532E

13N

11E

14N

All pert.  
data. extracted

6-9-68

P.W.

BB

1N

202E

142E

232E

82E

102E

11E

122E

222E

13N

6N

27E

15E

252E

4N

5E

16E+N



9 June 1968

AC full Moon

SA 2-74

NAF 9-2-37-5

SAF-4

all port data extract.  
6-10-68 PiWW

Christmas on Sham

514-76705 NAF

14  
52  
66

15 June 1968

587-8500

- 1 804
- 2 805
- 3 697-22235
- 4 806
- 5 737-96015
- 6 737-48003
- 7
- 8
- 9
- 10
- 11
- 12

Jane



16 June 1968

NW

C-21.5 ET

T 17

MT 22.3 Claw 7

Wing 40 + 17

Wgt 59 gms

NE

C-18

+ 14

MT 19.8 Claw 7.7

Wing 28

Wgt 36.4

AT

1 day still wet

C 11.5

Wing 18

T 11

MT 19.7 C-6

Wgt 14.8 gms

16 June 1968

G-BT

3 E

7 E

16 E

done.

C-6

2 eggs



16 June 1968

NAF

|         |      |                       |
|---------|------|-----------------------|
| 2 N     | 47 N | 1 N                   |
| 3 N     | 26 N | 20 2 E                |
| 33 N    | 22 E | 23 2 E                |
| 6 N     | 18 E | 31 8 <del>2</del> 2 E |
| 4 E     | 32 N | 10 N                  |
| 9 N     |      | 22 2 E                |
| 21 E    |      | 13 N                  |
| 21 2 E  |      | 12 2 E                |
| 8 2 E   |      | 28 E                  |
| 19 2 E  |      | 14 2 E                |
| 5 2 2 E |      | 6 N                   |
| 13 N    |      | 4 N                   |
| 11 2 E  |      | 27 2 E                |
| 14 N    |      | 15 2 E                |
| 37 2 E  |      | 25 2 E                |
| 24 N    |      | 5 E                   |
| 29 N    |      | 16 2 N                |

16 June 1968  
SAF

|          |             |
|----------|-------------|
| 35 N     | 26 2 E      |
| 36 N     | 17 N        |
| 37 N     | 18 N        |
| 49 N     | 19 2 E      |
| 34 2 E   | 98 2 34 2 E |
| 41 N     | 21 2 E      |
| 42 N     |             |
| 59 2 E   |             |
| 39 N     |             |
| 38 N     |             |
| 50 2 E   |             |
| 40 2 E   |             |
| 16 N     |             |
| 48 5 2 N |             |

GRT  
North  
end  
of runway



17 June 1968 Laysan Alba.  
587-855

79 Bare Sand 4' from  
S caecola

80 Bare Sand open area

81 BS next to Scaecola

82 Bare Sand open area

83 BS next to Scaec

84 grassy area next to  
S caecola

85 as 84

86 - same

87-90 Open area Bare  
ground cover (Verb Scaec)

91 NAF 92 93 94

95 96

475 (79) 69-68-67-70-66-63

65-64-71+

46-52-50-54-53-51-58

56-57-55-59-60-61-62

~~473~~ 81-82-83-72

87-76-78-77-86

96-98-99-00-8-84

85-74-89-97

91-92-95-94

173/4-13-11-9-10-8-7-12

01-02-03-04-05

05



17 June 1968

NAF

32N

New IE



18 June 1968

RTTB

|     |   |           |       |
|-----|---|-----------|-------|
| 1   | E | 20✓       | 39 E  |
| 2✓  |   | 21✓       | 40    |
| 3   |   | 22        | 41 E  |
| 4   | E | 23 E      | 42 E  |
| 5   | E | 24✓       | 43✓ E |
| 6   |   | 25✓       | 44    |
| 7   |   | 26✓       | 45 E  |
| 8   |   | 27        | 46✓   |
| 9✓  |   | 28        | 47 E  |
| 10  | ✓ | 29 E      | 48✓   |
| 11✓ |   | 30 E      | 49 E  |
| 12  |   | 31 E      | 50 E  |
| 13  | E | 32 E      | 51 E  |
| 14  |   | 33 E      | 52 E  |
| 15  | E | 34        | 53 E  |
| 16  | E | 35 N1-2dy | 54    |
| 17  |   | 36 E      | 55 E  |
| 18  | — | 37 E      | 56 E  |
| 19  |   | 38 E      | 57 E  |

18 June 1968 4GP

RTTB

1700! RT

N of  
Run

|      |        |
|------|--------|
| 58.  |        |
| 59.  |        |
| 60.  | N1-2dy |
| 61.  | E      |
| 62.  | 72 E   |
|      | 73 E   |
| 63 E | 74 E   |
| 64 E | 75 E   |
| 65 E | 76 E   |
| 66 E | 77 E   |
| 67 E |        |
| 68 E |        |
| 69 E |        |
| 70 E |        |
| 71 E |        |



18 June 1968

515K  
1090

|   | B  | WB |
|---|----|----|
| A | 46 | 5  |
| B | 19 | 1  |
| C | 22 | 4  |
| D | 3  | 0  |
| E | 16 | 1  |
| F | 12 | 0  |
| G | 21 | 0  |

|   |    |   |
|---|----|---|
| 1 | 0  | 0 |
| 2 | 12 | 1 |
| 3 | 6  | 0 |
| 4 | 2  | 0 |
| 5 | 4  | 0 |
| 6 | 0  | 0 |
| 7 | 0  | 0 |

in front of RR

GF

|    |   |
|----|---|
| 38 | 1 |
| 19 | 0 |
| 6  | 7 |
| 8  | 0 |
| 5  | 2 |
| 0  | 1 |
|    | 0 |

|    |    |
|----|----|
| 17 | 10 |
| 18 | 6  |
| 15 | 2  |
| 0  | 1  |
| 23 | 3  |
| 6  | 3  |
| 0  | 3  |
|    | 0  |

1000 HNT



19 June 1968

NAF

32 N-2

54 E-2

2 N-2

33 N-2

6 N-2

3 N-2

4 E-2

20-2 E-2

8 2 E-2

9 N-2

21 E-2

19 2 E-2

10 2 E-2

11 2 E-2

13 N-2

29 N-2

14 N-2

31 2 E-2

7379817107

18 E-1

24 N-2

47 N-2

26 N-2

21 E-2

NOA

~~2~~ 7

2 2

5 1

2 1

996049

4 1

2

1

30

75

BB

1 N-2

20 2 E-1

23 2 E-1

8 E-1

10 N-1

22 2 E-1

13 N-1

12 N-17379298307

28 2 E-10769770677

6 N-1

14 2 E-1737929802

27 2 E-57345298

15 N-107

25 2 E-1

4 N-1

5 E-1

16 N-1

1-6-2

2-1

5-1

12

17

29

✓



19 June 1968

BFB

35 N-2 3  
36 N-2 3  
37 N-2 1  
49 N-2 2  
34 2E-2 2  
48 N-2  
38 N-2  
39 N-2  
50 2E-1 50 85807  
40 2E-2  
51 E-1  
53 2E-2  
42 N-2  
41 N-1  
46 N-2  
52-N-2

24

~~BB~~

26 2E-1 2  
18 N-1  
17 N-1  
19 2E-1  
21-2E-2



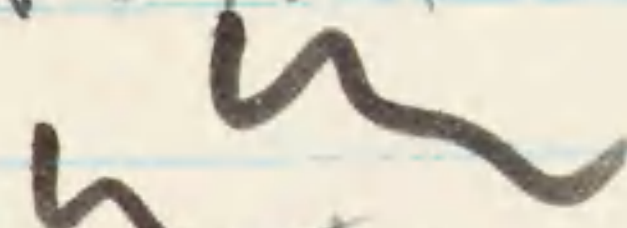
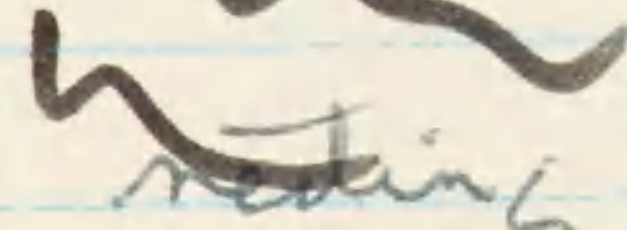
72  
72  
39

75  
38  
113

163



21 June 1968 Red-footed Booby  
Central Roost

|    |                                                                                   |                                                                                     |                                                                                    |                          |
|----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|
|    | 72                                                                                |                                                                                     |                                                                                    | 288                      |
|    | $\frac{4}{288}$                                                                   | 31                                                                                  | 38                                                                                 | $\frac{38}{326}$         |
| 1  |                                                                                   |                                                                                     |                                                                                    |                          |
| 2  |  | 21                                                                                  |                                                                                    |                          |
| 3  |                                                                                   | 22                                                                                  | 65                                                                                 | 72                       |
| 4  | 72                                                                                | 23                                                                                  | 216                                                                                | 3                        |
| 5  | $\frac{56}{128}$                                                                  | 24                                                                                  |                                                                                    |                          |
| 6  |                                                                                   | 25                                                                                  | 281                                                                                | 216                      |
| 7  | 51                                                                                | 26                                                                                  |  |                          |
| 8  | $\frac{72}{129}$                                                                  | 27                                                                                  | 43                                                                                 | 72 30                    |
| 9  |                                                                                   | 28                                                                                  |                                                                                    | 3                        |
| 10 | <u>Pictures</u>                                                                   |                                                                                     | $\frac{72}{115}$                                                                   | $\frac{216}{30}$         |
| 11 |                                                                                   | 1+2 N 9                                                                             |                                                                                    |                          |
| 12 |                                                                                   |  |                                                                                    |                          |
| 13 | 3+4                                                                               |  | nothing                                                                            | RFB CR                   |
| 14 | 5                                                                                 | Nothing                                                                             | 11                                                                                 |                          |
| 15 | 6                                                                                 | Nest                                                                                | 13                                                                                 |                          |
| 16 | 7                                                                                 | Nest                                                                                | 16                                                                                 | 11 Nest 31               |
| 17 | 8                                                                                 | Nest                                                                                | 18                                                                                 | 12 NWB                   |
| 18 | 9                                                                                 | Nest                                                                                | 25                                                                                 |                          |
| 19 | 20'                                                                               | 10                                                                                  | Nest 29                                                                            | 18 Nest 46<br>19 Nest 54 |

21 June 1968 Red footed Booby  
Central Roost

|    |     |                                   |
|----|-----|-----------------------------------|
| 1  | —   |                                   |
| 2  | E   |                                   |
| 3  | —   |                                   |
| 4  | —   |                                   |
| 5  | E   |                                   |
| 6  | LDY | Tailscape will devide $79.5+35$   |
| 7  | E   | 57" off ground                    |
| 8  | LDY | Tail, scape will $79.6+38.4$      |
| 9  | N   | SDY just barely $37.6+6.4$        |
| 10 | N   | MDY Tail wings to level $88.5+38$ |
| 11 | MDY | Tail dev. $63+37$                 |
| 12 | E   |                                   |
| 13 | ✓   | SDY just bare ET $37.5+25.5$      |
| 14 | —   |                                   |
| 15 | MDY | Tail pin level $68.5+3.5$         |
| 16 | SDY | Tail barely $30.5+19.4$           |
| 17 | LDY | Tailscape will devide $83.3+38.5$ |
| 18 | ✓   | SDY $43.6+31.5$                   |
| 19 | SDY | $53+36$ record $715820$           |

7+19+6



$\begin{array}{r} 144 \\ 37 \\ \hline 181 \end{array}$ 
 $\begin{array}{r} 64 \\ 144 \\ 86 \\ \hline 83.5+ \end{array}$

20 LDY Tail, scap etc well devel 34.6

21 —

22 SDY 50.5 + 34.3

23 LDY Tail scap devel 81.6 + 33

24 MDY Tail devel 66.5 + 33.3

25 ✓ SDY 45.3 + 30

26 LDY Tail, scap etc well devel 78.5 + 35

27 ✓ SDY 37.5 ET + 24.7

28 LDY Tail scap etc devel 85.5 + 35

29 MDY Tail devel 63 + 36

30 MDY 60.6 + 36.5

31 ✓ SDY 39.5 + 26.5 915650

32 E 57

33 LDY Tail scap etc w del 81 + 36

34 LDY 81.5 + 36

35 MDY - 78 + 33.4

36

37 LDY 79.5 + 37

38 ~~LDY~~ on 39 80.5 + 35.2

39 LDY Tail scap del 82.6 + 36

$\begin{array}{r} 72 \\ 22 \\ \hline 288 \end{array}$ 
 $\begin{array}{r} 72 \\ 5 \\ \hline 360 \end{array}$ 
 $\begin{array}{r} 72 \\ 3 \\ \hline 216 \end{array}$ 
 $\begin{array}{r} 42 \\ 216 \\ \hline 216 \end{array}$

40 MDY 74.4 + 32.5

41 LDY Scap w del 81.5 + 36.3

42 ~~LDY~~

43 SDY 53.4 + 32

44 MDY Tail devel 71 + 35

45 E

46 ✓ SDY ~~68.2~~ 42.5 + 27.5

47 MDY 61.5 + 37.3

48 E

49 LDY Tail scap etc w del 82.8 + 35

50 LDY 1" 82 + 34.5

51 E

52 LDY Tail scap w del 81 + 37.5

53 LDY Tail scap w del 88 + 35.5

54 ✓ Slightly down 34 + 21.5 E +

55 LDY 78 + 34

56 E

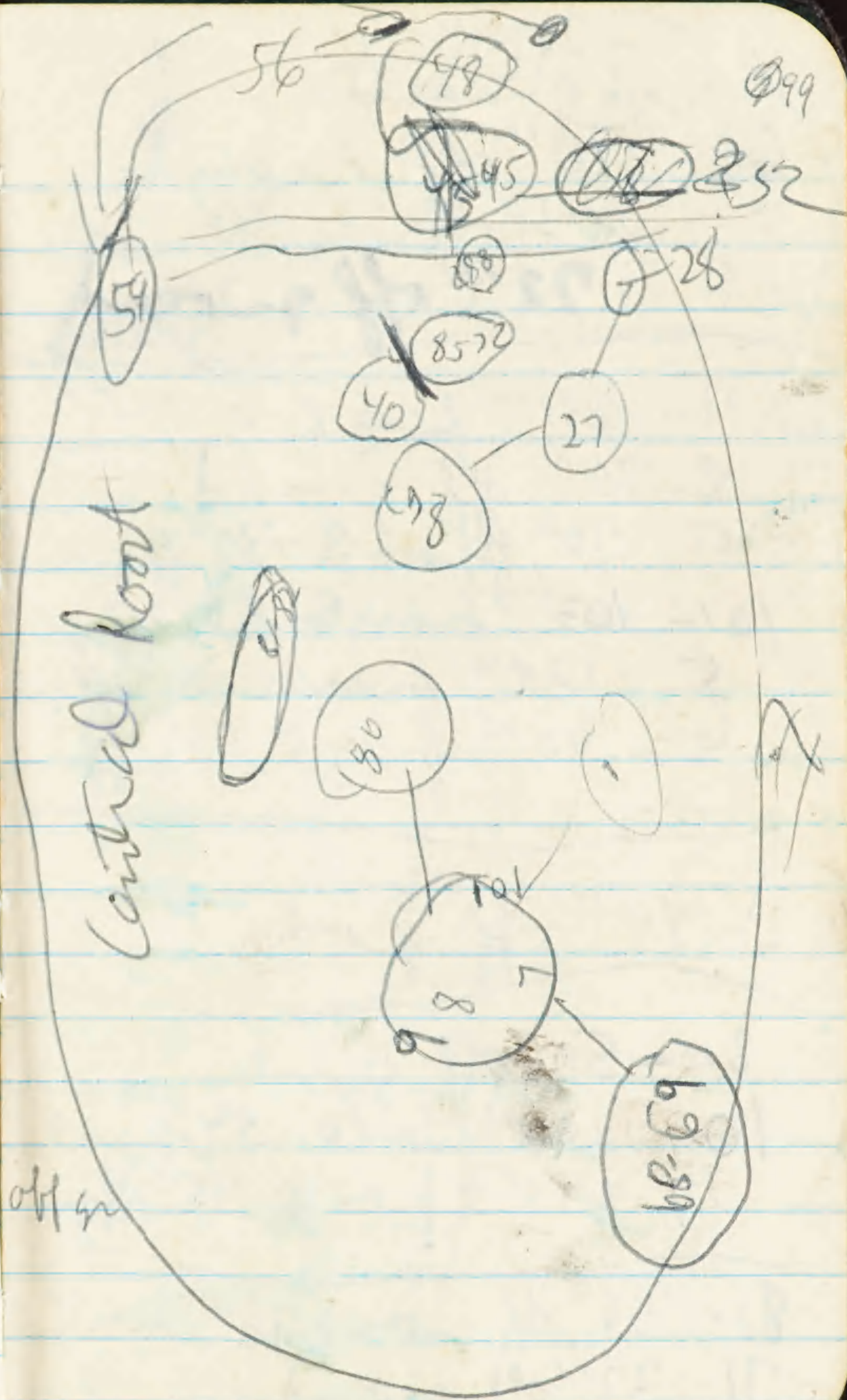
57 MDY 74.5 + 36

58 MDY 79.5 + 36

59



60 LDI weller Scup 8 3+ 114 34.5  
 61 LDI 8/2 35  
 62 ✓ SDY 36+ 25  
 63 E  
 64 MDY 65.2+ 33.5  
 65 —  
 66 SDY 61.7+ 33.5  
 67 E  
 68 E 80 E 92 E  
 69 E 81 — 93 E  
 70 — 82 E 101 E  
 71 E 83 E 99 E  
 72 E 84 E  
 73 LDI 82.5 85 E  
 74 E 86 E  
 75 E 87 E  
 76 E 88 ? SDY 44.5+ 29.3 11  
 77 89 E  
 78 Tally weller 84-37 90 E  
 79 91 E





Edge of Scaevola

31  
22

69- 70" off ground  
103" from 68

68- 72" off ground

7- 281" from 8

8 40" off ground

9- 46" from 8 37" off ground

101- 103" from 8 58" off gr

5- 128" from 101 54" off gr

6- 40" from 5 53" off

2- 49" off ground

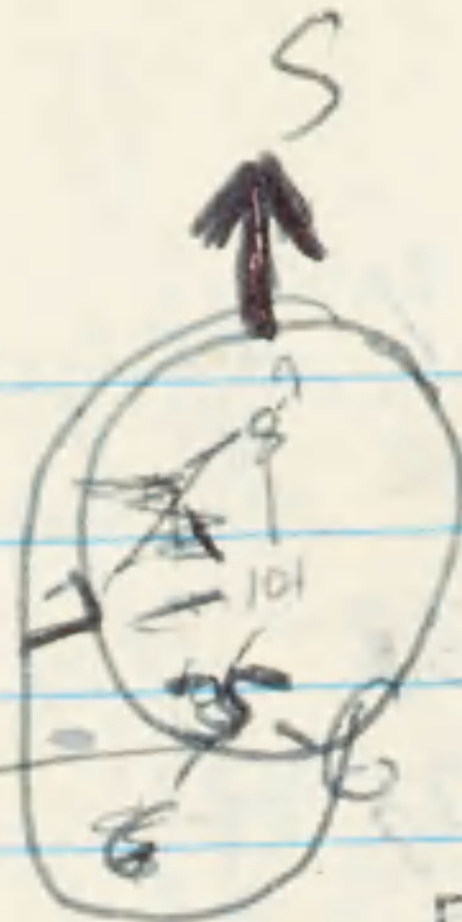
80- 50" off ground

10- 102" from 80 54" off ground

17 246" from 10 45" off gr

82- 38" off ground 164" from 71

71- 33' off ground



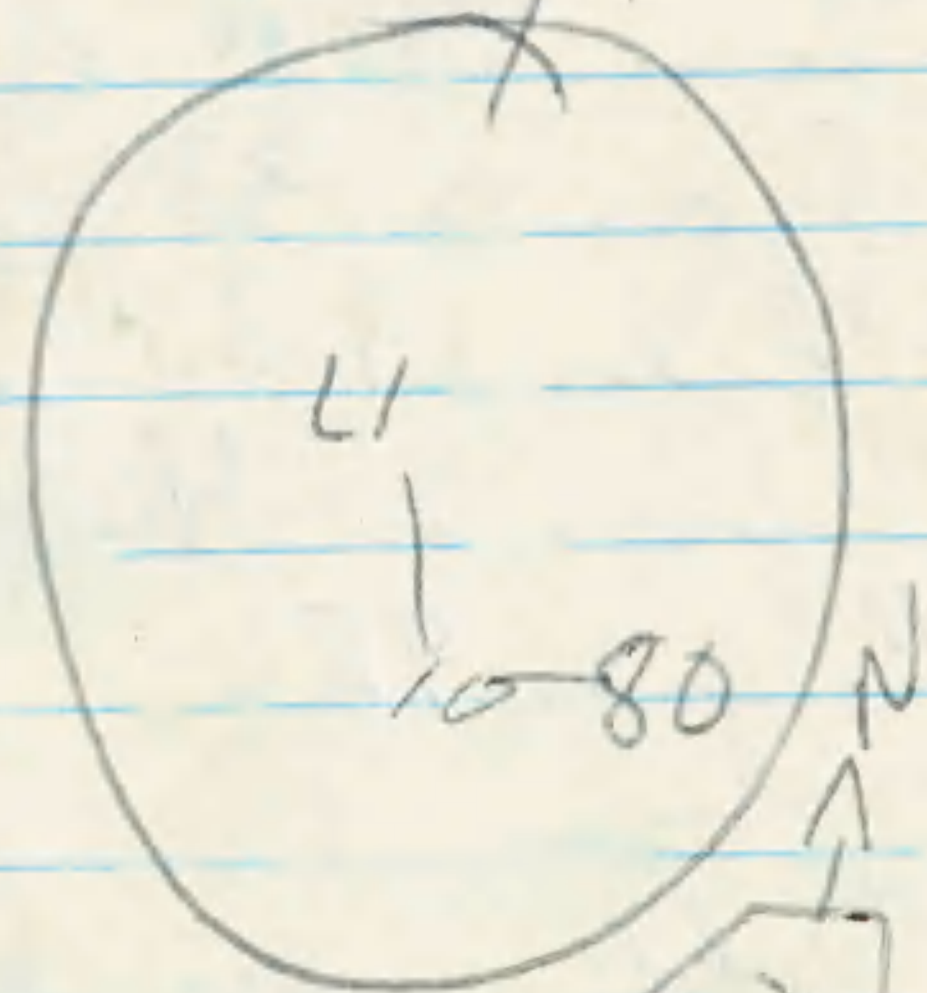
144  
36

GF 3  
E-1

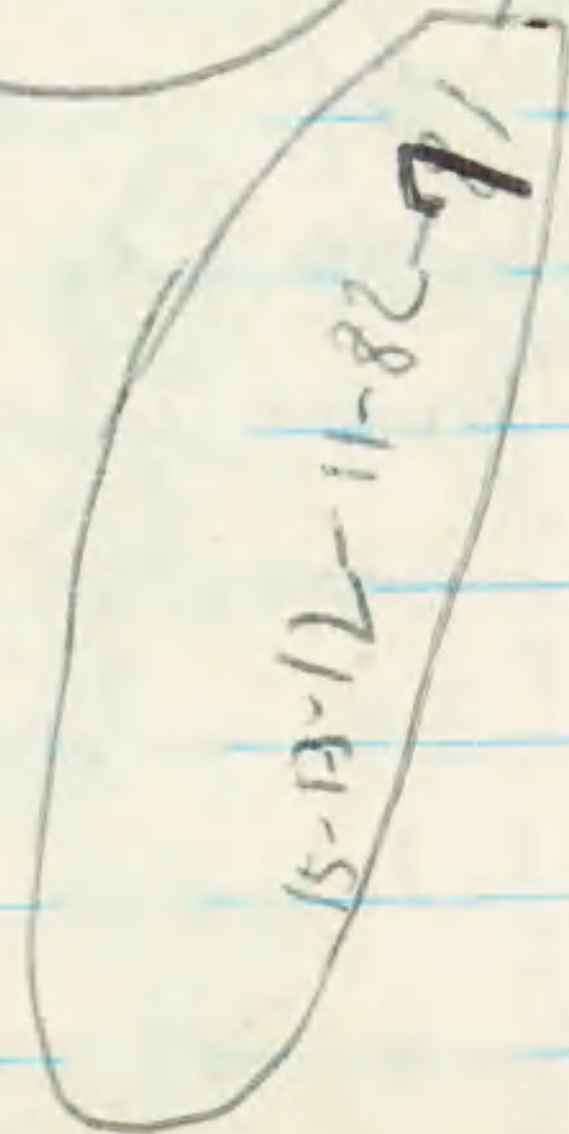
22  
22  
144  
20

7 in 326" fr 5)

III 25



10-80





$$\begin{array}{r} 72 \\ 3 \\ \hline 216 \end{array}$$

$$\begin{array}{r} 72 \\ 42 \\ \hline 114 \end{array}$$

- 11- 189" from 82 34" off gr.  
 12 115" from 11 38" off gr.  
 13 32" from 12 33" off gr.  
 15 51" from 13 25" off gr.  
 16- 39" from 15 29" off gr.

78- 24" off ground

18- 228" from 78 25" off ground

19 83" from 18 33" off ground

20 52" from 19 35" off ground

22- 360" from 20 40" off ground

239" from 78

83- 45" off ground

23- 70" from 83 32" off gr

84 110" from 23 38" off gr  
 102" from 83 38" off gr

24- 135" from 84 36" off ground

136" from 23

26- 92" from 24 114" from 23

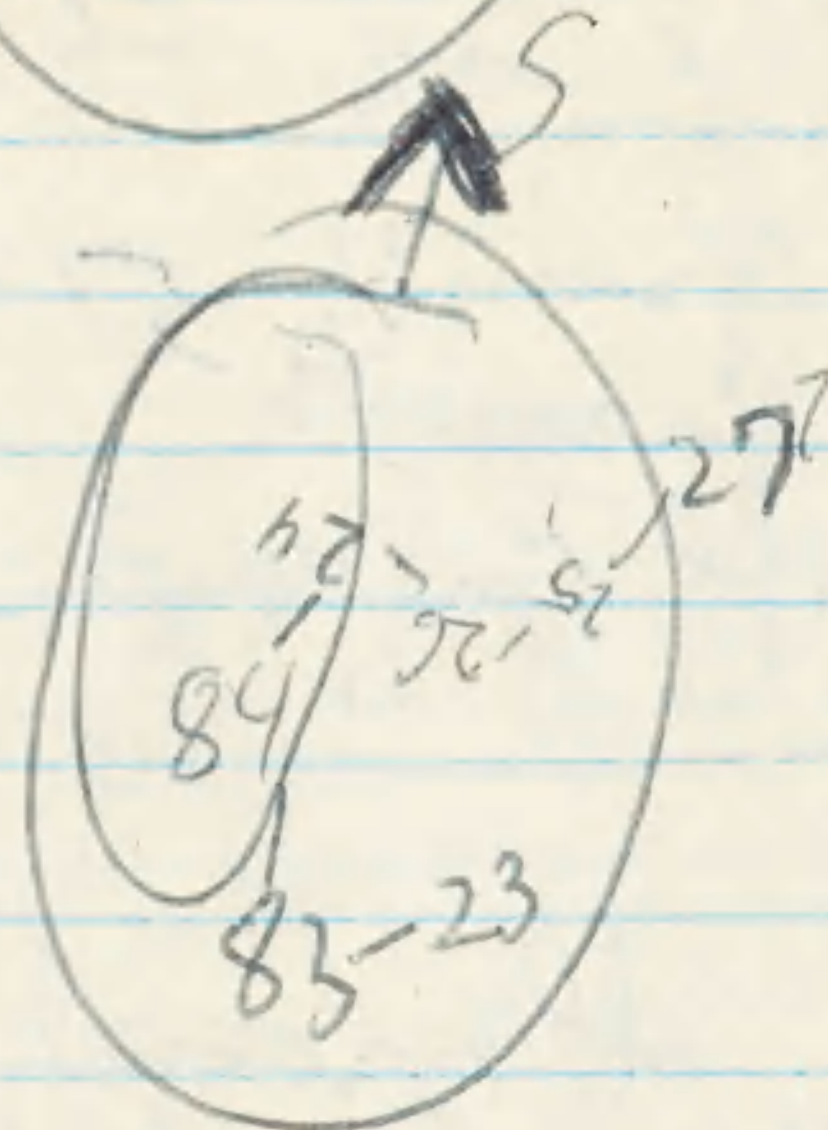
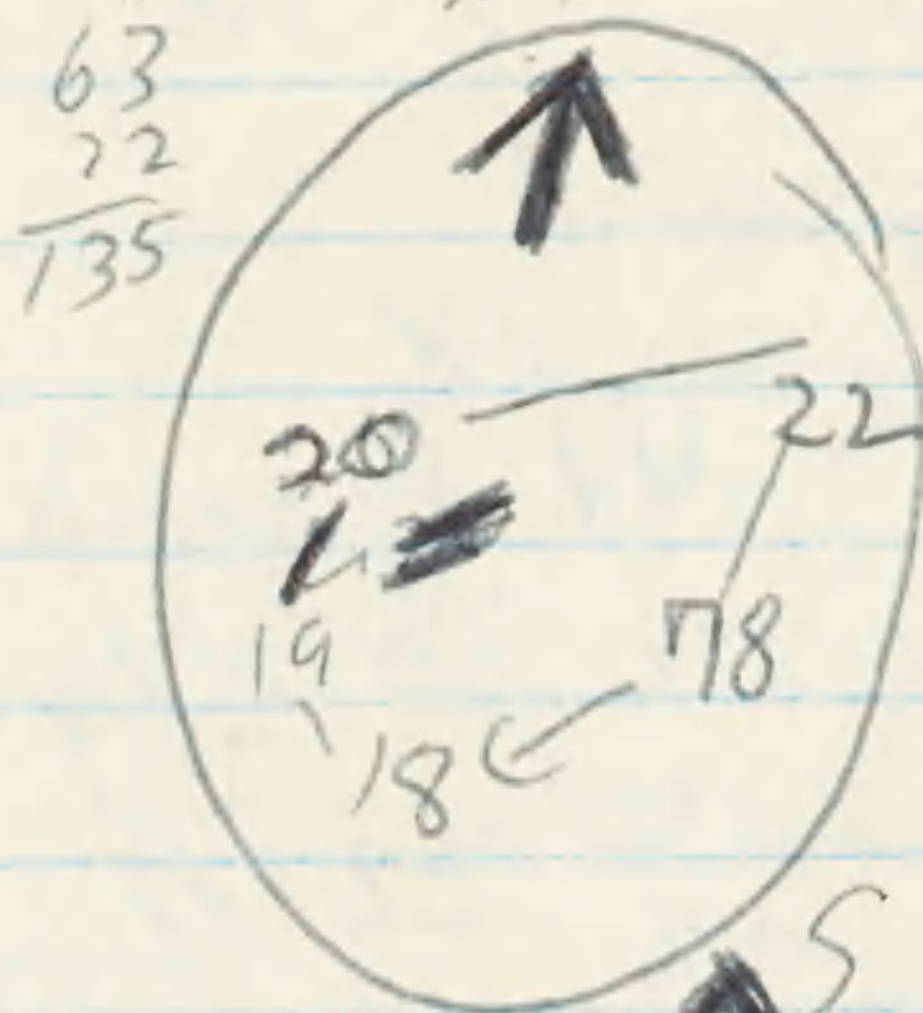
$$\begin{array}{r} 72 \\ 31 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 72 \\ 64 \\ \hline 136 \end{array}$$

$$\begin{array}{r} 72 \\ 5 \\ \hline 360 \end{array}$$

$$\begin{array}{r} 72 \\ 3 \\ \hline 216 \end{array}$$

$$\begin{array}{r} 23 \\ 23 \end{array}$$



25- 28" from 26 58" off gr

27- 80" from 25  
 89" from 23 53" off gr.

50" off ground.



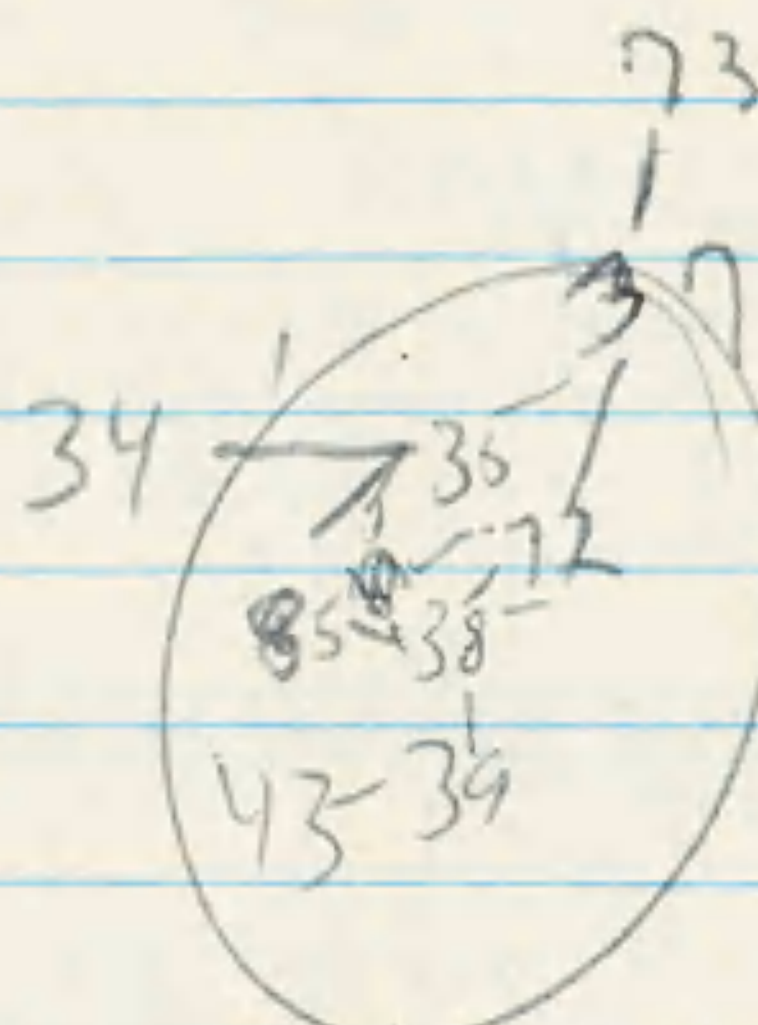
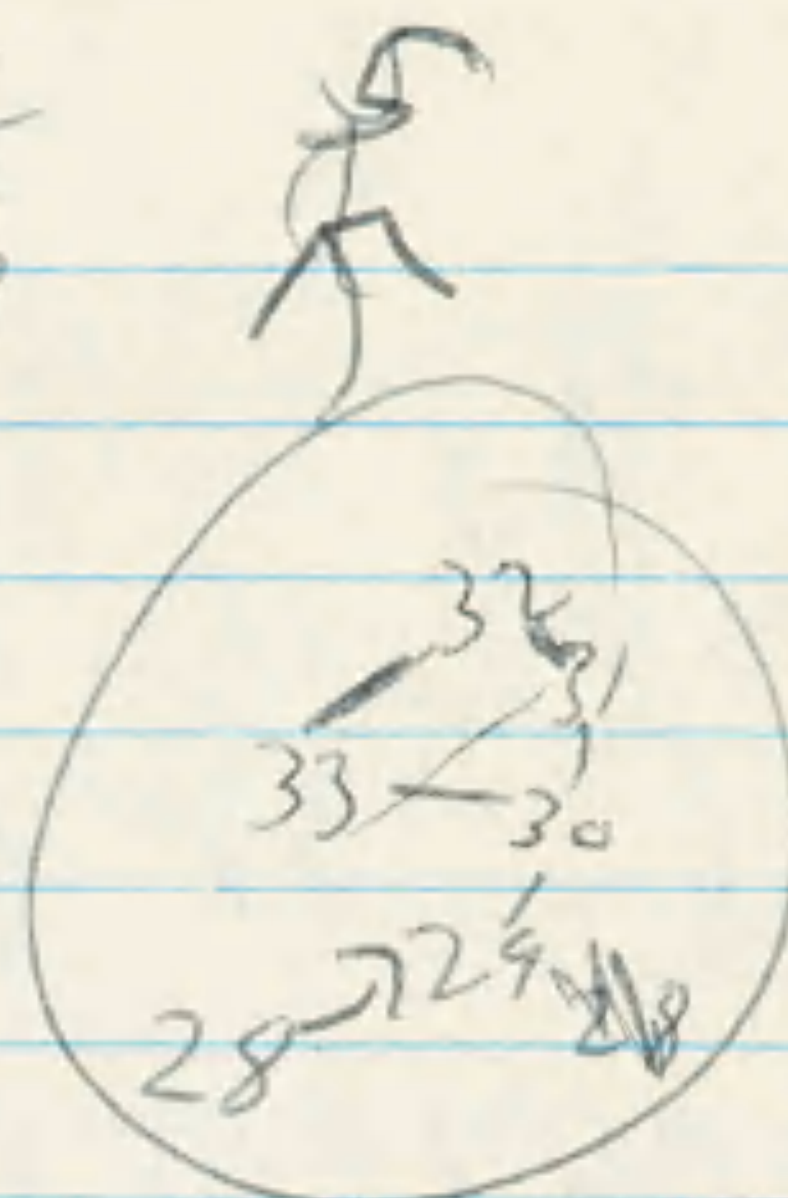
144  
15

72  
49  
116

28 - 38" off ground  
29 174" from 28  
~~29~~ ~~174~~ 44" off ground  
30 - 78" from 29 30" off gr  
31 - 59" from 30 28" off gr  
63" from 33  
32 - 82" from 31 51" off gr  
110" from 33  
33 - 52" off ground

43 - 60" off ground  
39 - 108" from 43 38" off gr  
38 - 144" from 39 14" off gr  
72 110" from 38 32" off gr  
85 - 120" from 72 56" off gr  
112" from 38  
122 ~~122~~ from 39  
117" from 43

72 72  
88 45  
120 117



73 - 180" from 37  
35" off ground  
37 - 144" from  
72 32" off  
ground

144  
35 ~~149~~ 159" from 85  
116 from 72  
49" off gr  
34 288" from 35  
37" off ground



40- 60" off ground

$$\begin{array}{r} 72 \\ 3 \\ \hline 216 \end{array} \quad \begin{array}{r} 39 \\ 216 \\ \hline 345 \end{array}$$

86- 147" from 40  
37" off ground

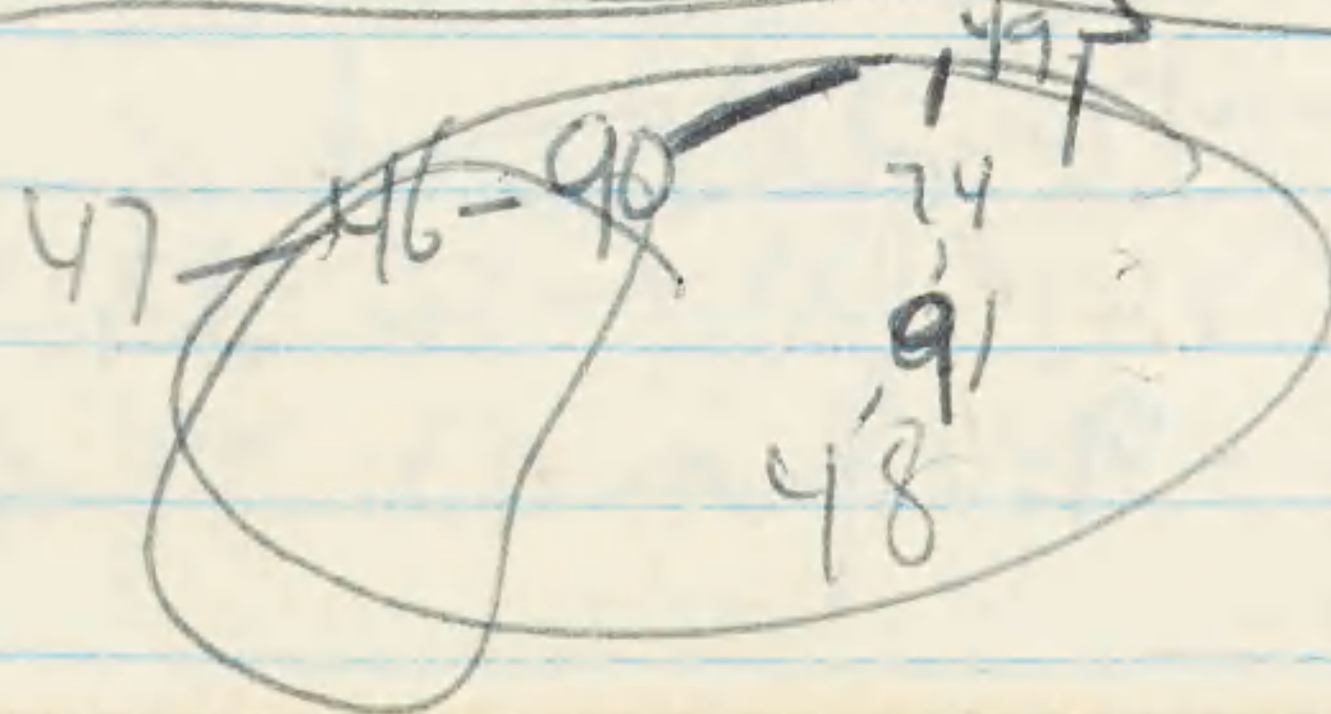
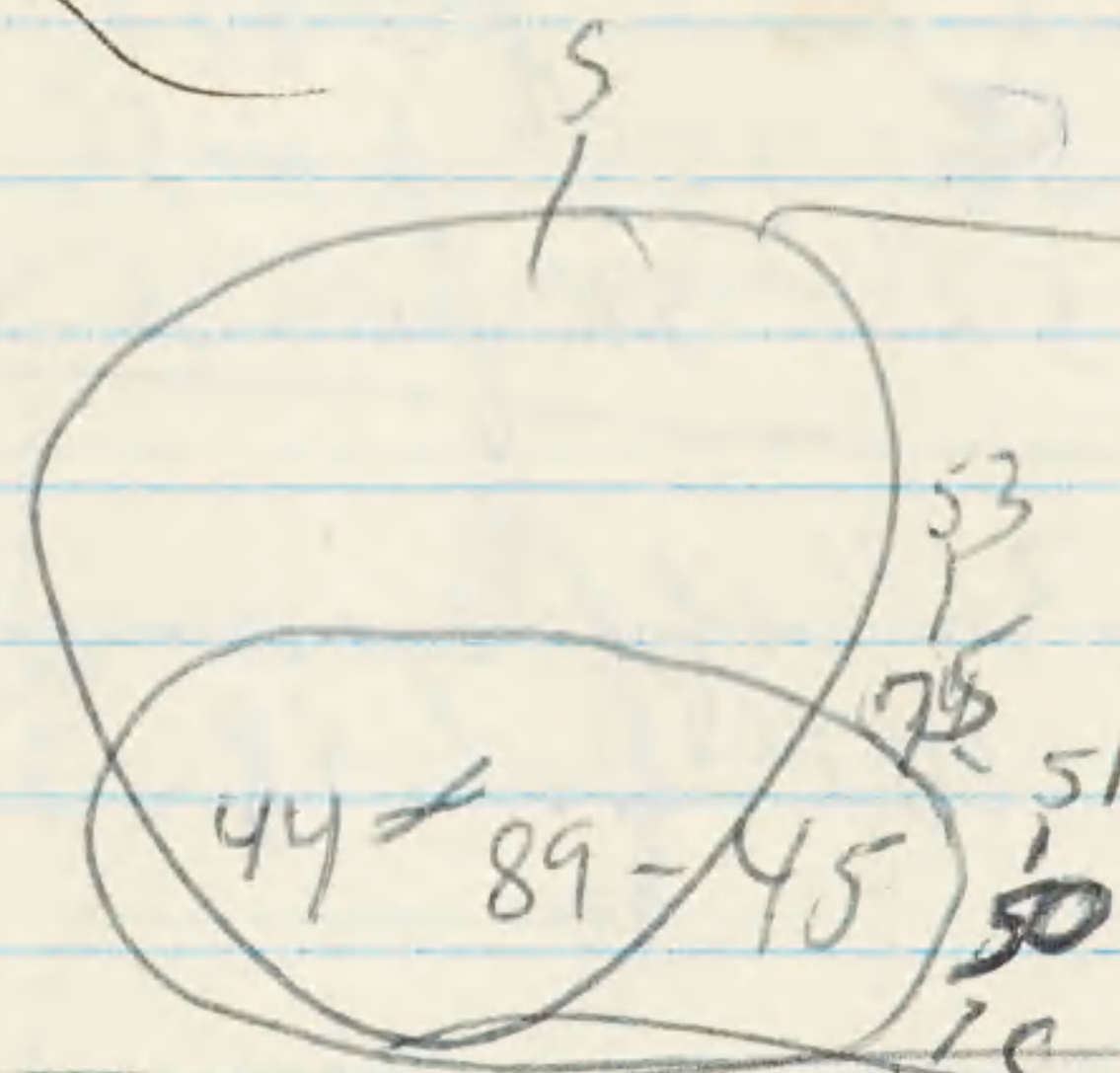
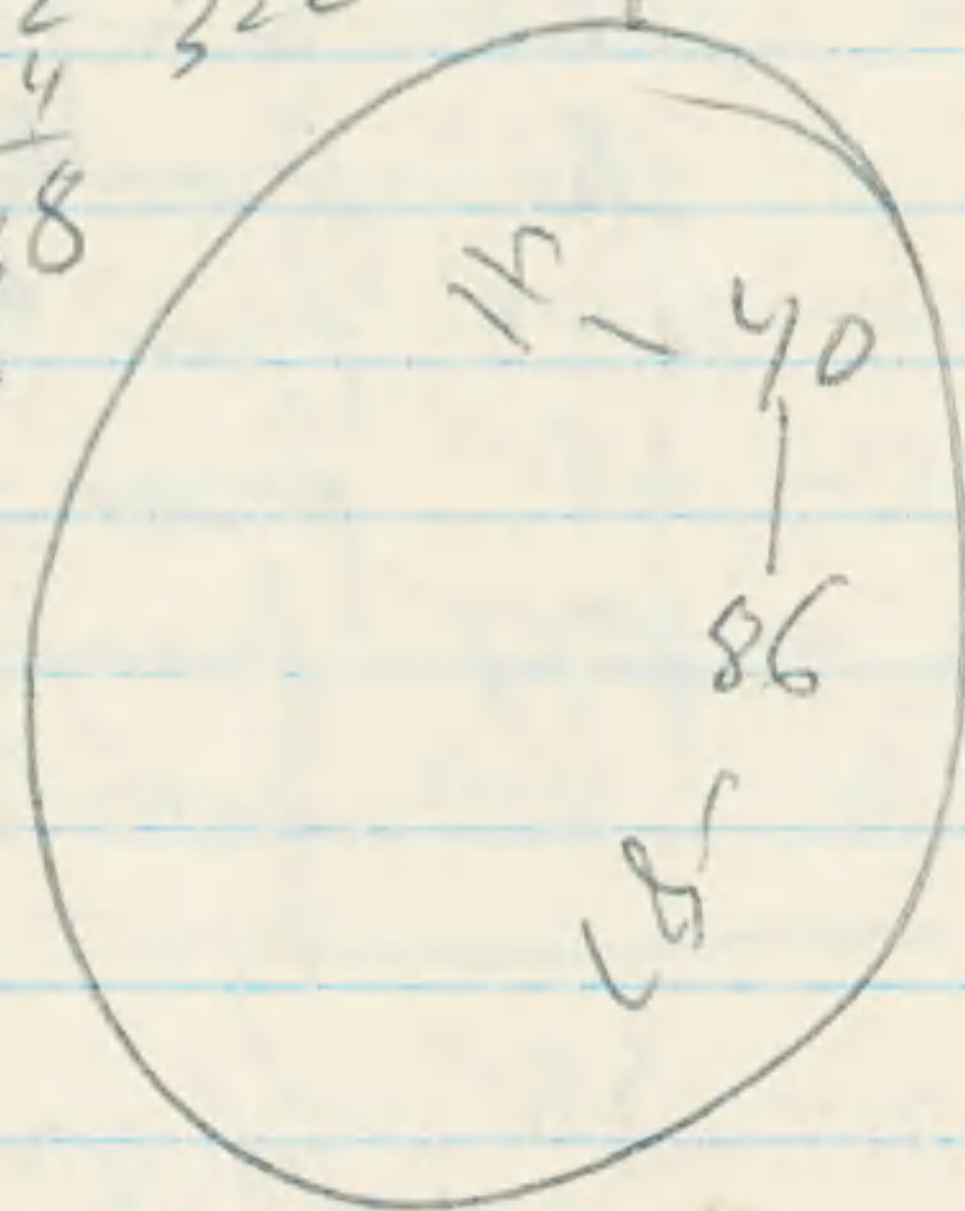
87- 306" from 86 58" off ground

41- 184" from 40  
37" off ground  
258" from 86

~~44- 32" off ground~~  
89- 326" from 44 68" off ground  
45- 345" from 89 35" off ground

48- 64" off ground  
91- 112" from 48 56" off ground  
74- 70" from 91 58" off ground  
49- 85" from 74 49" off ground  
90- 204" from 49 34" off ground

$$\begin{array}{r} 18 \\ 288 \\ \hline 306 \end{array} \quad \begin{array}{r} 72 \\ 4 \\ \hline 288 \end{array} \quad \begin{array}{r} 38 \\ 288 \\ \hline 326 \end{array}$$





46 - 122" from 90 27" off gr  
 47 - 382" from 46 32" off gr  
 50 - 208" from 49 55" off gr  
~~51~~ 51 - 181" from 50 52" off gr  
 75 - 177" from 51 52" off gr  
 53 - 141" from 75 47" off gr

---

54 - 38" off ground  
 55 - 57" from 54 57" off gr  
 56 - 155" from 55 43" off gr  
 57 - 37" from 56 41" off gr

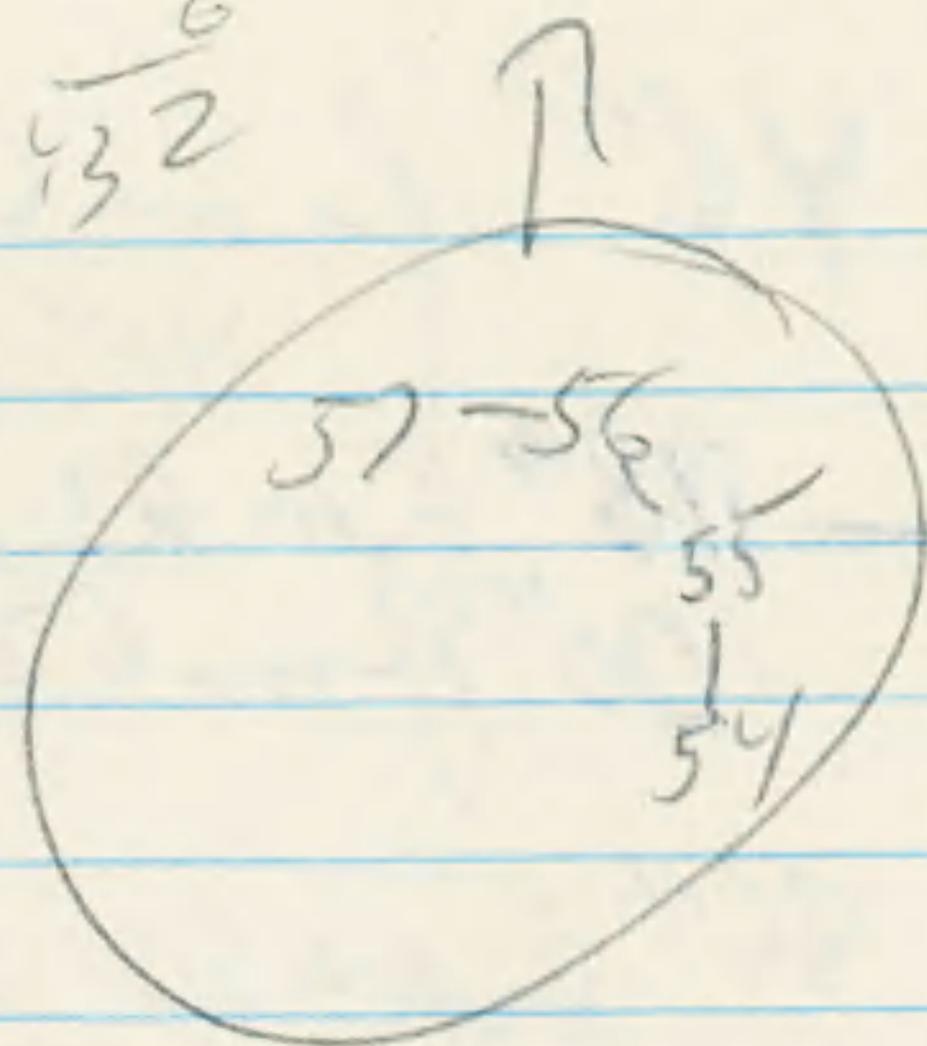
---

58 - 36" off ground  
 92 - 157" from 58 31" off gr

---

76 - 40" off ground  
 93 - 142" from 76 52" off gr  
 62 - 94" from 93 47" off gr  
 me

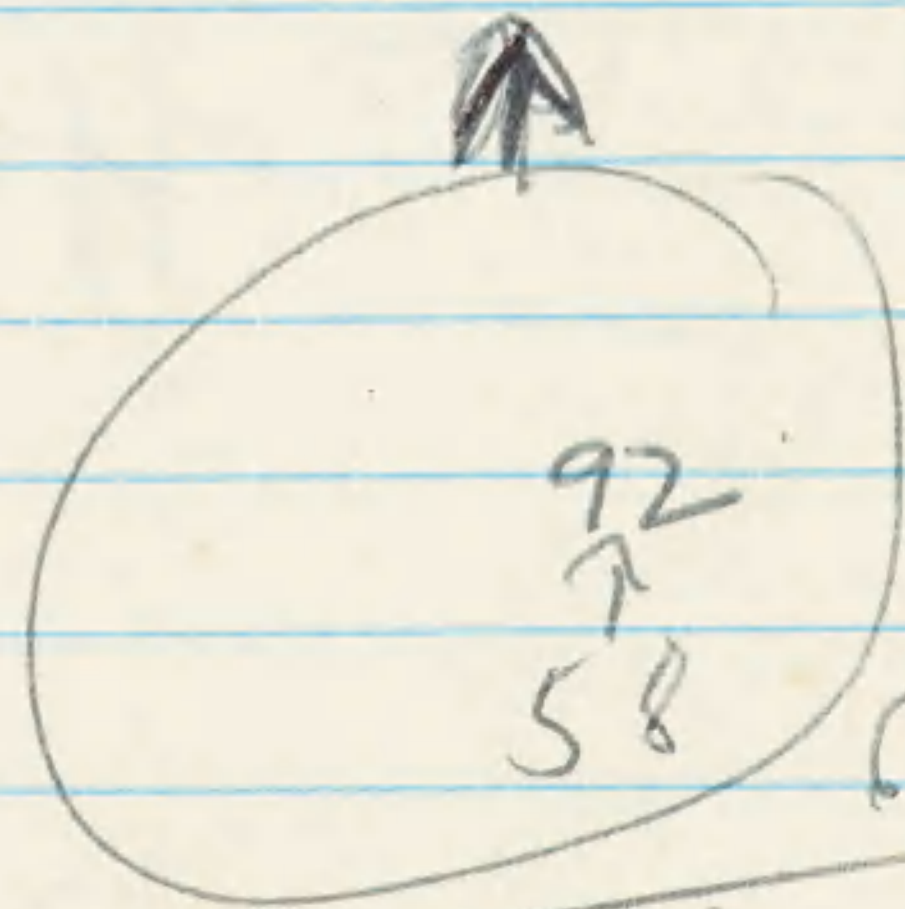
72  
 46  
 118  
 72  
 6  
 432



52 - 45" off ground LDY

99 - 37" off ground E

---



60-61-63  
 62  
 93  
 76



63- 48" from 62

41" off ground

60- 118" from 63

100" from 62 23" off gr.

61- 86" from 60 57" off gr.

---

66- 54" off ground

64 432" from 66 53" off ground

67- 45" off ground



4 BFB Booby  
1 SA  
at No Pt

*Done*

✓ 21 June 1968

Brown Noddy No Pt.

|      |                    |
|------|--------------------|
| 1 E  | 19 E               |
| 2 E  | 20 E               |
| 3 E  | 21 E               |
| 4 E  | 22 E               |
| 4a E | 23 E               |
| 5 E  | 24 E               |
| 6 E  | 25 E               |
| 7 E  | 26 E               |
| 8 E  | 27 E               |
| 9 -  | 28 <del>28</del> E |
| 10 E | 29 E               |
| 11 E | 30 E               |
| 12 E | 31 E               |
| 13 E | 32 E               |
| 14 E | 33 E               |
| 15 E |                    |
| 16 E | 16A E 16B E        |
| 17 E |                    |
| 18 E |                    |



25 June 1968 Sooty Tern  
SAF

C-100-100-102-111-28

=441

B-111-147-108

DC-1-1

=364

DC-1

done

A-200-100-45-106-30-80

1070 E

157-82-70-85-77-38-

47 N

N-~~IIIIIIII~~ ~~IIII~~ ~~IIII~~ DC-~~IIII~~

~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~

11

85

345

11 50

216

352

757

373

75

725

152

345

2004/070



25 June 1968

NAF

5E

32N 24N

54E 26N

2N 29N

6N 47N

33N 22E

3N 18E

4E

202E

82E

9N

21E

192E

102E

13N

112E

14N

312E

1N 16N  
202E 762511038

232E

82E

10N

13N

122E

222E

282E

6N

14

30E

272E

4N

15N

252E

25 June 1968

SAF

PF-B

BB

532E

41N

48N

35N

49N

36N

37N

34E

38N

39N

40 don't

502E

42N

51E

46N

52N

18N

17N

262E

192E

29E

212E



25 June 1968  
RTTB

WTS 18553  
1-1

|    |   |      |      |
|----|---|------|------|
| 1  | E | 20   | 39 - |
| 2  |   | 21   | 40   |
| 3  | - | 22   | 41 E |
| 4  |   | 23 E | 42 ✓ |
| 5  | - | 24 + | 43   |
| 6  |   | 25   | 44   |
| 7  | E | 26   | 45 E |
| 8  |   | 27   | 46 E |
| 9  | - | 28 E | 47   |
| 10 | - | 29 E | 48   |
| 11 |   | 30 E | 49 E |
| 12 |   | 31 - | 50 E |
| 13 |   | 32 - | 51 E |
| 14 |   | 33 - | 52 - |
| 15 | - | 34   | 53 E |
| 16 | E | 35 - | 54   |
| 17 |   | 36 E | 55   |
| 18 | - | 37 E | 56 ✓ |
| 19 | - | 38 E | 57   |

58

59

60

61

62

63 E

64 E

65 -

66

67

68 E

69 E

70 E

71 E

72 E

73 E

74 E

75 E

76 E

77 E

78 E

Naw 78E

79E

80E

81E

82E

83E



25 June 1968

Central Roost

|            |         |
|------------|---------|
| Sooty Tern | E + N   |
| 10         | 14 / 13 |
| Red        | 0 / 1   |
| Valley     | 8 / 9   |

25 June 1968

Br. Noddy

|    |   |    |   |           |
|----|---|----|---|-----------|
| 1  | N | 21 | E | North Pts |
| 2  | E | 22 | E | 41 E      |
| 3  | E | 23 | E | 42 E      |
| 4  | E | 24 | E | 43 E      |
| 5  | E | 25 | E | 44 E      |
| 6  | E | 26 | E | 45 E      |
| 7  | E | 27 | E | 46 E      |
| 8  | E | 28 | E | 47 E      |
| 9  | E | 29 | E | 48 E      |
| 10 | E | 30 | E | 49 E      |
| 11 | E | 31 | E | 50 E      |
| 12 | E | 32 | E | 51 E      |
| 13 | E | 33 | E | 52 E      |
| 14 | E | 34 | E | 53 E      |
| 15 | E | 35 | E | 54 E      |
| 16 | E | 36 | E | 55 E      |
| 17 | E | 37 | E | 56 E      |
| 18 | E | 38 | E | 57 E      |
| 19 | E | 39 | E | 58 E      |
| 20 | E | 40 | E | 59 E      |



25 June 1968

Laysan albat

NW Beach

Barfwn 737-47224 #1

Central Rock

✓ 737-92351 #12

✓ 937-92353 #3

SW

45837

737-~~45837~~

737-91385 #4

737-47124 #7

22

Bullman

69722023 #5

737-93891 #16

West

697 22336 #8

737-45938 #9

N-58785 815 #10

5 BB North Tower

A9 Lesser Frigate  
in Scaevola along  
NE Beach

1 FT in Messerschmidia  
along NE Beach

1 roosting in Scaevola  
at Beach entrance to  
C.R.

767-51102 BB

SHM Female Voice

yellowish bill with  
black spot around of and  
in front of eye. Banned  
mottling on thighs and  
upper breast. Roosting  
at edge of Scaevola  
SW Beach south of Bullman  
597. 83221 AF BB  
Coral Blocks East



25 June  
1968

737-98262 #17

Ref → runway 737-46029 #18

✓ 737-92328 #11

✓ 737-93532 ~~#12~~

N 587-85816 #12

✓ 737-90495 #13

887-06320 #14

✓ 737-98073 #15

SAZ 737-47398  
737-92025  
737-47461 #16

NAT ✓ 737-92702

Un-1 ✓ 737-96336 #19

✓ 737-91855

✓ 737-90369

✓ 667-39277

✓ 737-91665

N 587-85817 #20

737-98238 #21

818 #22

25 June  
1968

Rayson Albatross

SAF

737-90337

697-22705

737-90774

737-91445

Unbanded - 1

~~Banded~~ Banded

737-90517

Lesser Frigatebird

Wing - 509 mm. 6-26-68

Tail - 305 mm lay rect.

Tail - 149.5 to fork

Culmen - 94.8

290

15

305



26 June 1968

North Pt Br. Noddy

|      |      |           |
|------|------|-----------|
| 1 N  | 20 E | 39 E      |
| 2 E  | 21 E | 40 E      |
| 3 E  | 22 E | 41 E      |
| 4 E  | 23 E | 42 E      |
| 5 E  | 24 E | 43 E      |
| 6 E  | 25 E | 44 E      |
| 7 E  | 26 E | 45 E      |
| 8 E  | 27 E | 46 E      |
| 9 E  | 28 E | 47 E      |
| 10 — | 29 E | 48 E      |
| 11 E | 30 E | 49 E      |
| 12 E | 31 E | 50 E      |
| 13 E | 32 E | 51 E      |
| 14 E | 33 E | 52        |
| 15 E | 34 E | <b>53</b> |
| 16 E | 35 E | 54 E      |
| 17 E | 36 E | 55 E      |
| 18 E | 37 E |           |
| 19 E | 38   |           |

26 June 1968

White Tern

Pic 1+2 B+W Roll #2

General Habitat of NAF  
WT nest.

3-5 NAFWT nest Nesting

6 WT nestling NA

26  $\frac{1}{16}$ " off ground inclining  
Scaevola Gravel in  
crotch. Open area  
surrounded by V. arb.

C - 20 mm No egg tooth

T - 13 mm

MT - 21.3 mm Claw 7.5

Wing 29 mm

Wgt - 42.7 gms

Scap and Tail  
sheaths developing -



North Coast

7-8 General Habitat

9-10-11 Nestling

100yds from edge

In Scaevola crotch

47" off ground

In midst of Scaevola  
Scaev 81" high

Wings, scap Tail, ventral  
Central feathers well dark

C-25.2

T-14

MT 21.2 Claw 7.5  
Wing 72 Feather 54

Wgt = 83.5gms

21-22-23-24 Nest NR

72 246  
3 462  
216 278

12-13 NW Beach General  
Habitat

All above pictures  
Taken at wrong settings

14/15 ~~WT~~ WT nest

16 Depression on  
inclined Scaevola  
branch, another branch  
20" off ground

116 1/2" high Scaevola  
17-18 General Habitat  
19-20 11 278" from

C-24.7mm edge

T-15mm

MT 20.3 ~~Alar~~ 7.6

W-5.9 + 12mm

Wgt-94.4gms



NE 18 1/2" off ground  
No Nestling

Pic 25 ~~General Habitat~~  
General Habitat

3

15

72

30

105

108

1080' from edge

BFA SW-8-6-2

6-4-5-27-12-3

dead 75789819

SE-4-11-BF 22

26 June 1968 24

Dead BFA nestlings 6

along NW beach

757-89831-

757-89842

NW

BFA ~~11~~ 11

NE- ~~11~~ 11

NE dead 757-89850

26 June 1968

C-8-9 2 eggs

642-00587 6BT

Three adults

C-10

#4 1 egg 3 adults

N

18 1730 - North End of

Runway

Q-16-P 2 in breeding

plumage 2 in partial

breeding plumage

Reddy Turnstone

1 Sanderling winter

plumage

18032 WT along NW

Beach



26 June 1968

1920 = 10 sec SAM + G for

CN ~~misses~~

1923 20 sec AF → Ad RFB

Unce

26 June 1968 NAF

BFB

32N-2 19E-2 NON

54E-2 24N-2 1-1-3-2

2N-2 29N-2 2-2-1+

6N-2 42N-2 67-509/2

33N-2 22N-2 2-2-1+

3N-2 182E-2 2-1-2

4E-1 22E-1

202E-2

82E-2

9N-2

142E-2

21E-2

102E-2

112E-2

13N-2

312E-2

141N-2

done



26 June 1968 NAF  
BB

1N-2 Roosting  
202E-1 54-8-1

232E-1

8N+E-1

10N-1

222E-1

13N-1

122E-1

28 2E-1

4N-2

6N-1

30E-1

272E-1

15N-2

252E-2

5E-1

16N-1

done

26 June 1968 SAF  
BFB

36N-2

37N-2

49N-2

35N-2

34E-2

48N-2

38N-2

39N-2

50 2E-1

52E-2

41N-2

42N-1

46N-1

52N-2

78

51-E-2

WON-31

1-

70645

587-85808

SA 2

2

done



26 June 1968

SAF

BB - 262E 2

18W - 1

17N - 2

192E - 1

30E - 2

212E - 2

Root - 2

done

28 June 1968  
BB NAF

69

7

1507

2307

30 B

31 B 737-9594307 E

32 B 697-70681 07 E

33 B 767-459119 E 7 ✓

BFB

11-6-10 egg destroyed



28 June 1968

Laysan Albatross

587-85597-600N

85901-86000

Head north along SW  
Beach banding meetings

1-Interior at edge of  
Scaevola along Rd

2-as 1

3-7 Beach Ecotone

9-8 Eco

10 Eco 11 Eco

Int 12 Int edge of Scaevola

14 among Scaev

15-16 near Scaevola

Boer + T rib ground cover

17-18 edge of Scaevola

20-22 11

23 edge

28 June 1968

Central Roost

Sooty Tern

Main 5 eggs

Valley 2 eggs

Built 5th

9 to 10



28 June 1968 Br Noddy LA  
North Pt feed

|      |      |      |      |
|------|------|------|------|
| 1 N  | 20 E | 39 E | 59 E |
| 2 E  | 21 E | 40 E | 60 E |
| 3 E  | 22 E | 41 E | 61 E |
| 4 E  | 23 E | 42 E | 62 E |
| 5 E  | 24 E | 43 E |      |
| 6 E  | 25 E | 44 E |      |
| 7 E  | 26 E | 45 E |      |
| 8 E  | 27 E | 46 E |      |
| 9 E  | 28   | 47 E |      |
| 10 — | 29 E | 48 E |      |
| 11 E | 30 E | 49 E |      |
| 12 E | 31 E | 50 E |      |
| 13 E | 32 E | 51 E |      |
| 14 E | 33 E | 52   |      |
| 15 E | 34 E | 53 E |      |
| 16 E | 35 E | 54 E |      |
| 17 E | 36 E | 55 E |      |
| 18 E | 37 E | 56 E |      |
| 19 E | 38 E | 57 E |      |
|      |      | 58 E |      |

29 June 1968 Br Noddy

NW Beach - 16 - 4 - 2 - 4

4 - 3 - 2 - 43 - 6 - 3 - 2 - 3

945034504 <sup>43</sup>/<sub>35</sub> 78 <sup>19</sup>/<sub>19</sub> - 32 - 16

- 507 New white with

gray as old as 03

2-2-13-3-12-7-9-4-3

2-3-1-4-2-4-1

<sup>1</sup>/<sub>38</sub>

110

16

164

No PT - 85

- 508 DG light

for #1

NE Beach - 4 - 1 - 4 - 2 - 5

3-2

SE Beach 2-4-4-1-2

End of saw - 0

SE end of runway - 48 - 1

50 PT - 30

Mound - 15



29 June 1968 Laysan  
Albatross

587 85601-09

BT A nertling  
759-89 869 dea  
SE Beach

10 RT

1 WT

1 Sanderling

56 P

feeding on  
exposed mud  
flats near  
South P

29 June 1968 Br Noddy No. Pt

|    |              |    |   |    |   |    |   |
|----|--------------|----|---|----|---|----|---|
| 1  | N            | 20 | E | 39 | E | 58 | E |
| 2  | L            | 21 | E | 40 | E | 59 | E |
| 3  | E            | 22 | E | 41 | E | 60 | E |
| 4  | <del>E</del> | 23 | E | 42 | E | 61 | E |
| 5  | E            | 24 | E | 43 | E | 62 | E |
| 6  | E            | 25 | E | 44 | E | 63 | E |
| 7  | E            | 26 | E | 45 | E | 64 | E |
| 8  | E            | 27 | E | 46 | E | 65 | E |
| 9  | E            | 28 | E | 47 | E | 66 | E |
| 10 | —            | 29 | E | 48 | E | 67 | E |
| 11 | E            | 30 | E | 49 | E | 68 | E |
| 12 | <del>E</del> | 31 | E | 50 | E |    |   |
| 13 | <del>E</del> | 32 | E | 51 | E |    |   |
| 14 | <del>E</del> | 33 | E | 52 | E |    |   |
| 15 | <del>E</del> | 34 | E | 53 | E |    |   |
| 16 | <del>E</del> | 35 | E | 54 | E |    |   |
| 17 | <del>E</del> | 36 | E | 55 | E |    |   |
| 18 | <del>E</del> | 37 | E | 56 | E |    |   |
| 19 |              | 38 | E | 57 | E |    |   |



29 June 1968 Br Noddy

SW-33-8-9-2-4  
18-1-4-2-1-2-6  
2-10-11-18

56

39

37

122

Brillman-16

Central Root-16-8-8

6-1-5 05 N

-5 09 - DG 1/2 bl

**EAST** ~~Runway~~

1-1-1-1-4-1-5-2-1  
4-5-2-1

**West**

2-7-5-20-10-2  
1-7-4-2-5-25-1

29 June 1968

NAF Scap develop also  
Remiges & Alulae  
Lower neck and  
beak & Tail slants

~~done~~ C-22 done

T 12.5

MT 21.6 Claw 7.4

Wing 39.5 with slants 10

Wgt 66.8 grams

NR molting

NW deal All back  
ripped open.

G-BT

C-4 0

dae- 6 no eggs on adult  
8-9 3 eggs

10 2 eggs

STern.

21 N in Area A



Interior

1-2-2-2-1-2  
4-1-1-1-1-3-1  
1-2-2-1-1-1  
1-1-2-1-1

done

27 June  
BB

34E

32E

done

7068107

30 June

30

237-9243407E

done



30 June 1968 1730-1800  
Shoreland

Runway 1 RT

SW 200-1-1  
RT-1

Sand I 2

Sout h Pt (2) GF  
1 RT

SE 4 WT  
1 RT

Nt 200-1 A92

BFA 3-11-1 (15)-1-1  
2-2

9 FT in Cas  
Behind  
power  
plant

30 June 1968

|    |   |    |   |    |   |    |   |
|----|---|----|---|----|---|----|---|
| 1  | N | 20 | E | 39 | E | 58 | E |
| 2  | E | 21 | E | 40 | E | 59 | E |
| 3  | E | 22 | E | 41 | E | 60 | E |
| 4  | E | 23 | E | 42 | E | 61 | E |
| 5  | E | 24 | E | 43 | E | 62 | E |
| 6  | E | 25 | E | 44 | E | 63 | E |
| 7  | E | 26 | E | 45 | E | 64 | E |
| 8  | E | 27 | E | 46 | E | 65 | E |
| 9  | E | 28 | E | 47 | E | 66 | E |
| 10 | E | 29 | E | 48 | E | 67 | E |
| 11 | E | 30 | E | 49 | E | 68 | E |
| 12 | E | 31 | E | 50 | E | 69 | E |
| 13 | E | 32 | E | 51 | E | 70 | E |
| 14 | E | 33 | E | 52 | E | 71 | E |
| 15 | E | 34 | E | 53 | E | 72 | E |
| 16 | E | 35 | E | 54 | E | 73 | E |
| 17 | E | 36 | E | 55 | E | 74 | E |
| 18 | E | 37 | E | 56 | E | 75 | E |
| 19 | E | 38 | E | 57 | E | 76 | E |



1 July 1968

Raysan Alba  
5-87-85009 -

West Side of Runway

58783968

767-77483

482

481

79

78

77, 76

74, 75

-70, 65, 66, 67, 71, 72

5862, 56, 60, 59, 55

84-46 47391 51

49-50 500

24.25/48498, 99

2-48495, 96

47464

48494, 93, 92

1-48491, 90, 89

1-488, 84, 86, 83

82

1-47485

47365, 4748

↑

47490

48482

47497, 96



1200  
767 47495, 94  
47488, 89, 86

48471

74

48469

66

67

47464

1800  
900

Dead

48478 70

72

1 July 1968

1735  
Xmas Shearwater  
unbanded on  
Runway north

1736 C GP Done  
5 RT  
1 Scanderling  
Runway  
also 4 RT

|           |       |    |      |
|-----------|-------|----|------|
| AREA A    | A-213 | E  | N    |
|           | B     | 96 | N-10 |
|           | C     | 79 | 22   |
|           |       |    | 5    |
| E-89 eggs |       |    |      |



R. All 1 July  
 Pic 12-35  
 Sooty Tern colony  
SAF

36 76 7-5 09/2511

SAF

No change

NAF

76-7-5 09/25A

Roosting mean #32

BFA

767-89858

Dead NE

10 by Cas behind Barn

June 18 FT on and

Cas behind Power

1 July

Noft  
 Br Noddy

|    |   |    |   |    |    |    |   |
|----|---|----|---|----|----|----|---|
| 1  | N | 20 | E | 39 | 24 | 58 | E |
| 2  | E | 21 | E | 40 | E  | 59 |   |
| 3  | E | 22 | E | 41 | E  | 60 | E |
| 4  | E | 23 | E | 42 | E  | 61 | E |
| 5  | E | 24 | E | 43 | E  | 62 | E |
| 6  | E | 25 | E | 44 | E  | 63 |   |
| 7  | E | 26 | E | 45 | E  | 64 | E |
| 8  | E | 27 | E | 46 | E  | 65 | E |
| 9  | E | 28 | E | 47 | E  | 66 | E |
| 10 | — | 29 | E | 48 | E  | 67 | E |
| 11 | E | 30 | E | 49 | E  | 68 | E |
| 12 | E | 31 | E | 50 | E  | —  |   |
| 13 | E | 32 | E | 51 | E  | —  |   |
| 14 | E | 33 | E | 52 | E  | —  |   |
| 15 | E | 34 | E | 53 | E  | —  |   |
| 16 | E | 35 | E | 54 | E  | —  |   |
| 17 | E | 36 | E | 55 | E  | —  |   |
| 18 | E | 37 | — | 56 | E  | —  |   |
| 19 | E | 38 | E | 57 | E  | —  |   |



~~4 July 1968~~ ~~0420~~ ~~BFB~~

~~NAT~~  
~~3 N-2~~  
~~5 E-2~~  
~~2 N-2~~  
~~3 N-2~~  
~~6 N-2~~  
~~4 E-2~~  
~~20 E-2~~

~~NON~~  
~~3~~  
~~0420~~

4 July 1968 Fri RBB

~~1~~

1  
2 E  
3 ~~E~~

4 M04 Tail length 61.2

5 E

6 Tail etc w.o. 84

7 E

8 N-81.5

9 S04 56.8 Pic 1

10 N Tail etc devl 79.4

11 Tail pin devl 73.5

12 NY Pic 3 15 girth at d

13 N S04 55 Pic 2

14

15 Tail etc devl 80

16 S04 Pic 4 52.2

17 N 86

18 Tail devl 63

19 Tail pin devl 69.2



20 N 85  
 21 —  
 22 N-72  
 23 N 83  
 24 pin tail body 79.1  
 25 MDY 64.5 Tail develop  
 26 N- 83  
 27 MDY 58.5  
 28 87.5  
 29 78.5  
 30 75  
 31 54.5  
 32 E  
 33 83 collar of cart full  
 34 83.1  
 35 80.4  
 36 ?  
 37 83.3  
 38 84

39 87.8  
 40 88  
 41 82  
 42 ?  
 43 68.5 MDY tail develop  
 44 81.8  
 45 E  
 46 60.5  
 47 76.1  
 48 ?  
 49 84  
 50 83.3  
 51 E  
 52 83  
 53 87  
 54 51.5  
 55 80.5  
 56 E  
 57 84.5  
 58 87



59 ?

60 86

61 85.5

62 54

63 E

64 79

65 —

66 73.5

67 E

68 E 79 E 90 E

69 E 80 E 91 E

70 — 81 — 92 E

71 E 82 E 93 E

72 ? 83 E 94 E

73 84 84 E 101 E

74 E 85 E

75 E 86 E

76 E 87 E

77 E 88 ~~83~~ 54

78 N-83 89 E

|   |    |   |
|---|----|---|
| 8 | 19 | 9 |
|---|----|---|

RFB

4 July 1968

Sand Island ~~Island~~

Br Noddy

EN

11

39

23

3

Bl Noddy - w/h/d

BB

BF B-

Seals ♂

♀

12

puf

? 2-2-4

Rt b-3-2-4



4 July 1968

Little Sand In

1 Sand

1 RT

10 HNT

Seed - No signs  
of any vegetation

4 July 1968

<sup>done</sup>  
Laysan Cellatrons

587-85819-94

Lab to Runway

587-83967

943

961

41

964

44

963

75789898

966

89896

959

960

957

~~89898~~

~~89898~~

83 | 908

89888

89886

47393

919 47398

47392

83909

938

400

946

905

929

12

925

939

952

955

934

954

932

933

950

947

923

949

948



4 July 1968  
West Beach

587-85895-900  
85701-14

BF-4

~~35047~~ 2402 4515 27

~~35032~~

~~35063~~

~~45199~~

~~35041~~ 27

~~98534~~

~~92450~~

~~24520~~

~~92944~~

~~98506~~

~~45174~~

~~70658~~

~~70618~~ 28

~~70656~~

(76)

4 July 1968 N/AF 23-  
46243

~~32N-2~~ 26N-2 NON

~~54E-2~~ 3N-2 ~~35051~~ 2

2N (2) 21E-2 35070 1 ✓

6N-2 18E-2 ~~90199~~ 33

33N-2 ~~39204~~

4E-2 98231 5

202E-2 24513

82E-2 ~~98529~~ 7

9N-2 done 98529

21E-2 995920 17

192E-1 70620 8

14N-2 70652 12

312E-1 45170 23

11E-2 35030

13N-2 98538 15

102E-2 39217

24N (2) 98503 16

29N-1 98518 17

47N-2 35046



4 July NAF BB



|                      |        |                       |
|----------------------|--------|-----------------------|
| 1W-1                 | 16-N-1 | 1 unboxed             |
| 202E-2               |        | X 958199              |
| 31 E-1               |        | X 924410              |
| 232E-1               |        | • 980019              |
| 6E+N-1               |        | <del>924389</del>     |
| 10N-1                |        | X 929809              |
| 222E-2               |        | 969070                |
| <del>26</del> 332E-2 |        | <del>7015</del> ♀     |
| [ 322E-2 924379 ]    |        | <del>7015</del>       |
| 122E-1               |        | X 958050              |
| 13N-1                |        | ( <del>702502</del> ) |
| 282E-1               |        |                       |
| 30E-1                |        |                       |
| 6N-1                 |        |                       |
| 272E-1               |        |                       |
| 15N-2                |        |                       |
| 4N-2                 |        |                       |
| 252E-2               |        |                       |
| 5E-2                 |        |                       |

Done

(26)

4 July 1968

BB

SAF

Done

|                  |                     |
|------------------|---------------------|
| 34E-2            |                     |
| 35 N-2           | -4512944            |
| 36 N-2           | ✓ 4517845           |
| 37 N-2           | SA807               |
| <del>34E-2</del> | ✓ 4517140           |
| 502E-2           | 996289              |
| 532E-2           | 92945               |
| 41 N-2           | 98578               |
| 42 N-2           | ✓ 50901             |
| 48 N-2           | 9510151             |
| 44 N-2           | 9858                |
| 38 N-2           | 20621               |
| 39 N-2           | <del>98532</del> 50 |
| 46 N-2           | ✓ 4513343           |
| 52 N-2           |                     |



4 July 1968 done

262E-1

36E-2

968890

452039

18N-1

17N-2

192E-1

56  
37  
93

958150

392E-1

212E

~~52A-2~~

Xmas

\$13 35-40 yds

N of St 22

Rayon Alba

642

BFA

644 Nopt

2

64

1-1-1 1-1-1-1-2-1-1

39

43

156

6 July 1968

Br. Noddy

245  
45  
27  
43  
160

NW-2-2-1H2-1-27-7

6-17-1-2-6-5-2-4

6-14-3-2-2-3-5-2

1-2-4-4-1

943-94510

Gaug, head, belly

Nopt-17-20-56

AL-3-3-6-3-1-3-3

3-8

SW-7-12-3-18-3-7-3-3-8

943-511

W. Cray Under  
Scor. same vegetation

Nest

9-7-4-2-13-2-2

14-4/21-1-2-2

23h 512 W. b. Veg. and

Scor



6 July

1 N 21 E 41 E 61 E

2 E 22 E 42 E 62 E

3 E 23 E 43 E 63 E

4 E 24 E 44 E 64

5 E 25 E 45 E 65 E

6 E 26 E 46 E 66 E

7 E 27 E 47 E 67 E

8 E 28 E 48 E 68 E

9 E 29 E 49 E 69

10 E 30 E 50 E 70 E

11 E 31 E 51 E 71 E

12 E 32 E 52 E 72 E

13 E 33 E 53 E 73 E

14 E 34 E 54 E 74 E

15 E 35 E 55 E 75 E

16 E 36 E 56 E 76 E

17 E 37 E 57 E 77 E

18 E 38 E 58 E 78 E

19 E 39 E 59 E

20 E 40 E 60 E

6 July

Central Root

11-2-3-10

505 Carton  $\frac{1}{2}$  white

~~24~~

Baltimore-13

South Pt - 27

Mound - 17

SE of runway - 47

SE - 2-2-3-1-1

East Run - 2-1-2-2

2-2-1-1-2-1-2-3-2

1-1-2

End of Screen 5

513 BS Screen 5

D. G.  $\frac{1}{2}$  July



6 July 1968

Charger  
4N

Bb  
31-2E

C 8-9

E 2-3

hont

1 adult

Charg 7.7

362E 19N

958/50138E

E N

A 99 - 1

BFB

B 48 10

20N

C 21 2

E 42 0

(D) 4 4

6 7

6 2

26 13

6 July 1968

WT

C-23.7

T 12

MT 21

Cl 7.7

W 54

F 32

W apt 93.5

Br waddy

~~Egg~~

Done

West of Runway

1-2-3-4

11-20-3-3-5-7-5-12

506

514 Gr Top belly

Edge of Ry 8er mt 1dyx

515 an old an 06

516 Scap lrd 6 1/2 belk



7 July June 6-29

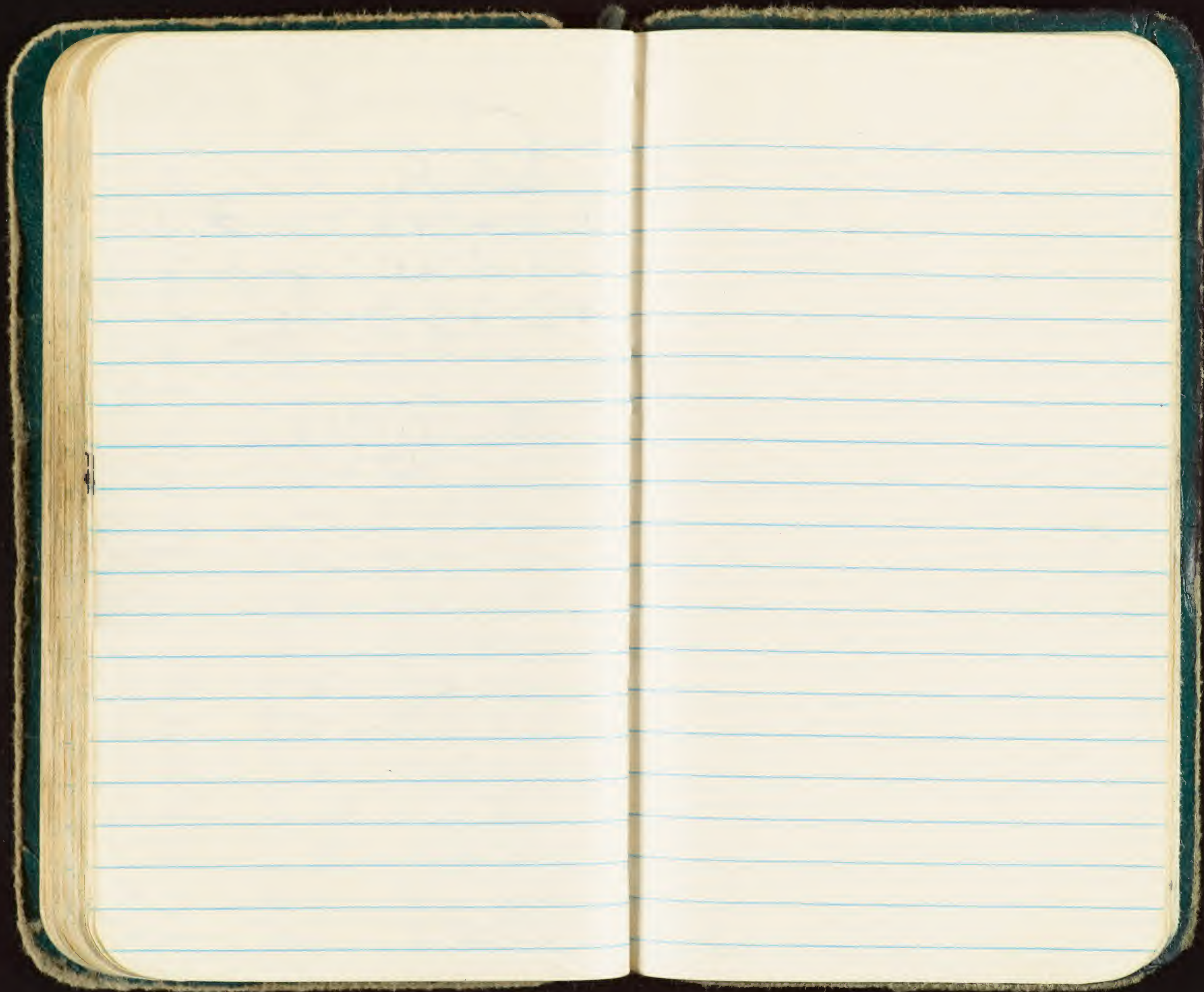
|      |      |      |      |      |
|------|------|------|------|------|
| 1 N  | 20 E | 39 E | 58 E | 77   |
| 2 E  | 21 E | 40 E | 59 E | 78 E |
| 3 E  | 22 E | 41 E | 60 E |      |
| 4 E  | 23 E | 42 E | 61   | 79 E |
| 5 E  | 24 E | 43   | 62 E |      |
| 6 E  | 25 E | 44 E | 63   |      |
| 7 E  | 26 E | 45 E | 64 E |      |
| 8 E  | 27 E | 46 E | 65 E |      |
| 9 E  | 28 - | 47 E | 66 E |      |
| 10 - | 29 E | 48 E | 67 E |      |
| 11 E | 30 E | 49 E | 68 E |      |
| 12   | 31   | 50 E | 69 - |      |
| 13 E | 32 E | 51 E | 70 E |      |
| 14 E | 33 E | 52 E | 71 E |      |
| 15 E | 34 E | 53 E | 72 E |      |
| 16 E | 35 E | 54 E | 73   |      |
| 17 E | 36 E | 55 E | 74   |      |
| 18   | 37 E | 56 E | 75 E |      |
| 19 E | 38 E | 57 E | 76   |      |

Interior

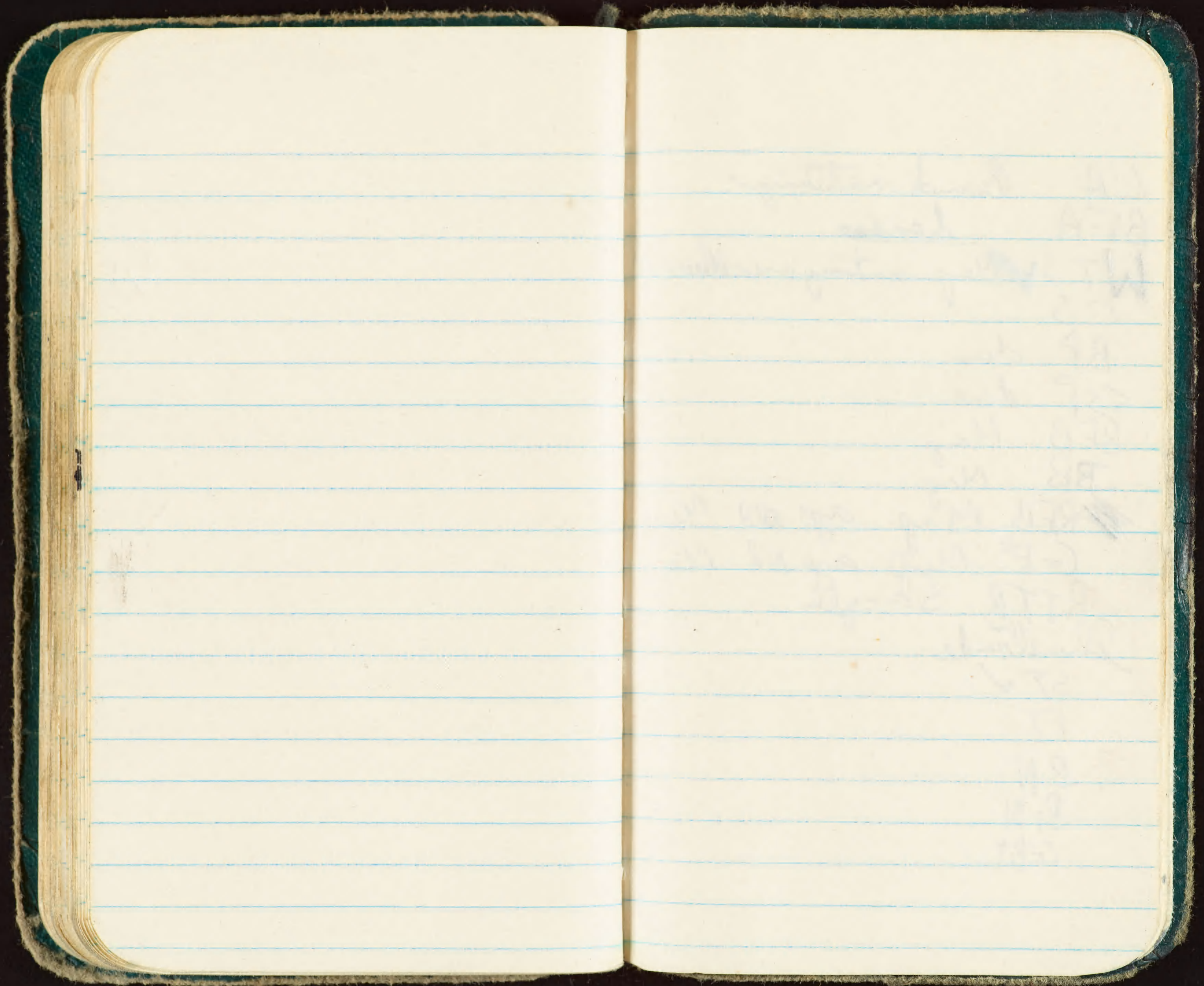
1-3 4-1 2-1-3  
2-1-1-1-1-1-1-2  
1-2-2-2-2-1 done

58.47 44.2  
62.6 45.2











LA Band settling

BFA done

WTS ✓ Map nesting area Meas

CS

BP done

SSP done

BFB Map

BB Map

~~RFB~~ Map age NR Meas

GF Map age NR Meas

RTTB Sample

Shalvuds

ST ✓

FI

BN

BrN

GBT

Bands



23 943 87658

24 96200 + 16047

25 17651 + 09805



August 1968 →

Dec 1969

4000

1000

10602/2001

529



3800

1900

4500



7530-222-0078  
FEDERAL SUPPLY SERVICE

650 643-16-73124-1